

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

05/Mar/2025

Clinical note

Date	Time	Note Author
05/Mar/2025	00:00	Tina Batek
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet
		<input checked="" type="checkbox"/> Gingival pocket
		<input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

NEHL Results: 3/4/25 EDTA WB was negative for EEHV1, 4, and 5.

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

04/Mar/2025

Clinical note

Date	Time	Note Author
04/Mar/2025	00:00	Carlos Sanchez
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet
		<input checked="" type="checkbox"/> Gingival pocket
		<input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

Proc: In house lab results: Weekly bloodwork results

WBC: 13,080 (Procyte), manual diff: 29% Het, 0% bands, 9% Lymphs, 60% Monos, 2% Eos, 0% Baso; Morph: Few activated monos.
 Platelets 922,500 minimal clumping
 TP 8.0 g/dl, PCV 40% (both manual)
 Interp: Normal WBC and M:L ratio.

Blood submitted to NEHL for EEHV PCR testing
 Results pending

A: Clinically normal elephant with normal bloodwork
 P: Continue once weekly CBC, EEHV PCR screening

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail

Collection Date/Time	04/Mar/2025 13:20
Sample Type	Whole Blood
Anatomical Source/Tissue	Right saphenous vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Routine
Exclude from reference intervals	No

Sample Quality

Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
04/Mar/2025	~/~	Available	~/~/~

Notes

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	04/Mar/2025 13:20
Sample Type	Serum
Anatomical Source/Tissue	Right saphenous vein
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Routine
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
04/Mar/2025	~/~	Available	~/~/~

Notes

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

03/Mar/2025

Sample

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail

Collection Date/Time	03/Mar/2025 07:42
Sample Type	Wash/Lavage Fluid
Anatomical Source/Tissue	Elephant trunk
Collection Method	Wash/lavage
Collected By	Dimas Dominguez
Reason	Disease Monitoring
Exclude from reference intervals	No

Sample Quality

Color	~
Color Intensity	~

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	> 24 hours to <=48 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
03/Mar/2025	~/~	Available	NATELEHER/3/3

Notes

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Test Request Detail

Date Requested	03/Mar/2025
Requested By	Carlos Sanchez
Laboratory	NATELEHER
Analysis Start Date	03/Mar/2025
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

TNF: 31.9
Date Tested: 3/6/2025

E=VR

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
EEHV 1 /ml qPCR	0 vge/rxn	Not calculated	~	~	~	No
EEHV 4 qPCR	0 vge/rxn	Not calculated	~	~	~	No
EEHV 5 qPCR	0 vge/rxn	Not calculated	~	~	~	No

Sample Detail (GSN: S-HBV25-037695)

Collection Date/Time	03/Mar/2025 07:42	Collection Method	Wash/lavage
Sample Type	Wash/Lavage Fluid	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Elephant trunk	Reason	Disease Monitoring
Additives/Preservatives	~	Exclude from reference intervals	No

27/Feb/2025

Clinical note

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Date	Time	Note Author
27/Feb/2025	00:00	Carlos Sanchez
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

NEHL results: 2/25/25 EDTA WB was negative for EEHV1, 4, and 5.

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

25/Feb/2025

Clinical note

Date	Time	Note Author
25/Feb/2025	00:00	Tina Batek
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

Proc: In house lab results: Weekly bloodwork results

WBC: 10.0K (Est) and 11.53K (Procyte), manual diff: 25% Het, 0% bands, 14% Lymphs, 60% Monos, 1% Eos, 0% Baso; Morph: Bands - 1 in 200, no toxic hets. Few reactive lymphs. Mod activated monos.
 Platelets 575,000 minimal clumping
 TP 7.8 g/dl, PCV 38% (both manual)
Interp: Normal WBC and M:L ratio.

Blood submitted to NEHL for EEHV PCR testing
 Results pending

A: Clinically normal elephant with normal bloodwork
P: Continue once weekly CBC, EEHV PCR screening

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail

Collection Date/Time	25/Feb/2025 00:00
Sample Type	Serum
Anatomical Source/Tissue	LEFT REAR LEG
Collection Method	Phlebotomy
Collected By	Tarah Bedrossian
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Ambient
Initial Holding Duration	<= 10 hours

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
25/Feb/2025	~/~	Available	~/~/~

Notes

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	25/Feb/2025 00:00
Sample Type	Whole Blood
Anatomical Source/Tissue	LEFT REAR LEG
Additives/Preservatives	EDTA, Sodium
Collection Method	Phlebotomy
Collected By	Tarah Bedrossian
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Ambient
Initial Holding Duration	<= 10 hours

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
25/Feb/2025	~/~	Available	PORTLAND/24/18
25/Feb/2025	~/~	Available	NATELEHER/4/4

Notes

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Request Detail

Date Requested	25/Feb/2025
Requested By	Carlos Sanchez
Laboratory	NATELEHER
Analysis Start Date	~
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments
E = HB

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
EEHV 1A PCR	negative		~	~	~	No
EEHV 1B PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Sample Detail (GSN: S-HBV25-037677-S01)

Collection Date/Time	25/Feb/2025 00:00	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Tarah Bedrossian
Anatomical Source/Tissue	LEFT REAR LEG	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA, Sodium	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	25/Feb/2025
Requested By	Carlos Sanchez
Analysis Start Date & Time	25/Feb/2025 00:00
Analysis By	Kelli Harvison
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Notes/Comments

Cell morphology

Platelets:

Clumping: minimal
Enlarged: <1+
Other:

Erythrocytes:

nRBC: 1 in scan of 2 slides
Anisocytosis: 1+
Polychormasia: 1+
Hypochromasia:

Poikilocytosis:

Target cells: 1+
Schistocytes:
Keratocytes:
Spherocytes:
Other:

Leukocytes:

Heterophils:

Band heterophils # seen: 1 in 200 count
Band precursor # seen: 0
Hypersegmentation: none
Toxicity: none

Lymphocytes:

Reactivity: few
Enlarged: none
Granular cytoplasm: few
Nucleoli: none

Monocytes:

Activation: moderate
Enlarged: none
Vacuolated: moderate
Excessively vacuolated: few

Notes:

Entered by: KH

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)

- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
HCT	38 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Est. WBC count	10 *10 ³ cells/μL	Global sp RI: 4 - 23 12 [12] N=73 (14)	~	No	~	No
Heterophil % [m]	25 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	14 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	60 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	1 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	575,000		~	~	~	No
RBC [a]	3.11 *10 ⁶ cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	33.6 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	13.2 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	108.0 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	42.44 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	~
MCHC [c]	39.29 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	~
RDW	13.9 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.3 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	8.7 *10 ³ cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
Heterophil count [c]	~ *10 ³ cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	~	No	No	~
Band count [c]	~ *10 ³ cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	~ *10 ³ cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	~ *10 ³ cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	~ *10 ³ cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	~ *10 ³ cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV25-037677)

Collection Date/Time	25/Feb/2025 00:00	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Tarah Bedrossian
Anatomical Source/Tissue	LEFT REAR LEG	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA, Sodium	Exclude from reference intervals	No

20/Feb/2025

Clinical note

Date	Time	Note Author
20/Feb/2025	00:00	Tina Batek
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

NEHL Results: 2/18/25 EDTA WB was negative for EEHV1, 4, and 5.

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

18/Feb/2025

Clinical note

Date	Time	Note Author
18/Feb/2025	00:00	Josie Rose
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

Proc: In house lab results: Weekly bloodwork results

WBC: 11,190 (Procyte), manual diff: 11% Het, 0% bands, 26% Lymphs, 61% Monos, 2% Eos, 0% Baso; Morph: Few hypersegmented hets, moderate reactive lymphs, many activated monos; multiple eos with non-segmented nucleus
 Platelets 759,909 minimal clumping
 TP 8.9 g/dl, PCV 44% (both manual)
Interp: Normal WBC and M:L ratio.

Blood submitted to NEHL for EEHV PCR testing
 Results pending

A: Clinically normal elephant with normal bloodwork; reviewed finding of bands in eos and many activated monos with CRS; concurs that clinical concern is low
P: Continue once weekly CBC, EEHV PCR screening

JBR 18Feb2025

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample

Sample Detail

Collection Date/Time	18/Feb/2025 08:15
Sample Type	Whole Blood
Anatomical Source/Tissue	Auricular vein(not specified)
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Initial Holding Conditions

Initial Holding Temp.	Ambient
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
18/Feb/2025	~/~	Available	PORTLAND/24/24
18/Feb/2025	~/~	Available	NATELEHER/4/4

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	18/Feb/2025 08:15
Sample Type	Plasma
Anatomical Source/Tissue	Auricular vein(not specified)
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Initial Holding Conditions

Initial Holding Temp.	Ambient
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
18/Feb/2025	~/~	Available	PORTLAND/1/1

Notes

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail

Collection Date/Time	18/Feb/2025 08:15
Sample Type	Serum
Anatomical Source/Tissue	Auricular vein(not specified)
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Ambient
Initial Holding Duration	<= 10 hours

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
18/Feb/2025	~/~	Available	~/~/~

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Test Request Detail

Date Requested	18/Feb/2025
Requested By	Josie Rose
Laboratory	NATELEHER
Analysis Start Date	~
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

E = HB

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
EEHV 1A PCR	negative		~	~	~	No
EEHV 1B PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Sample Detail (GSN: S-HBV25-037647-S01)

Collection Date/Time	18/Feb/2025 08:15	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Auricular vein(not specified)	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Request Detail

Date Requested	18/Feb/2025
Requested By	Josie Rose
Analysis Start Date & Time	~
Analysis By	Heather Brittingham
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments
E = HB

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
Total Protein (R)	8.6 g/dL	Global sp RI: 6.2 - 9.0 7.6 [7.6] N=1043 (18)	~	No	No	No

Sample Detail (GSN: S-HBV25-037646)

Collection Date/Time	18/Feb/2025 08:15	Collection Method	Phlebotomy
Sample Type	Plasma	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Auricular vein(not specified)	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	18/Feb/2025
Requested By	Josie Rose
Analysis Start Date & Time	~
Analysis By	Heather Brittingham
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Notes/Comments

Cell morphology

Platelets:

Clumping: minimal
Enlarged: 1+
Other: /

Erythrocytes:

nRBC: none seen
Anisocytosis: 1-2+
Polychromasia: /
Hypochromasia: /

Poikilocytosis:

Target cells: /
Schistocytes: 1+
Keratocytes: /
Spherocytes: /
Other: /

Leukocytes:

Heterophils:

Band heterophils # seen: 0 in #200 count
Band precursor # seen: 0 in #200 count
Hypersegmentation: few
Toxicity: few 1+ (2+,3+,4+)

Lymphocytes:

Reactivity: mod
Enlarged: few
Granular cytoplasm: mod
Nucleoli: few

Monocytes:

Activation: mod
Enlarged: few
Vacuolated: mod
Excessively vacuolated: few

Notes: few hyposegmented heterophils, multiple eos seen with non-segmented nucleus (new finding for HB)

Entered by: HB

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)

- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
HCT	44 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Heterophil % [m]	11 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	Low	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	26 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	61 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	2 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	759,999		~	~	~	No
RBC [a]	3.25 *10^6 cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	34.5 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	15.1 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	106.2 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	46.46 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	~
MCHC [c]	43.77 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	~
RDW	14 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.3 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	10.7 *10^3 cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	11.19 *10^3 cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	1.23 *10^3 cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	Low	No	No	~
Band count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	2.91 *10^3 cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	6.83 *10^3 cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.22 *10^3 cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV25-037647)

Collection Date/Time	18/Feb/2025 08:15	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Auricular vein(not specified)	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

13/Feb/2025

Clinical note

Date	Time	Note Author
13/Feb/2025	00:00	Carlos Sanchez
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

NEHL results: 2/11/25 EDTA WB was negative for EEHV1, 4, and 5

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

11/Feb/2025

Clinical note

Date	Time	Note Author
11/Feb/2025	00:00	Josie Rose
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

Proc: In house lab results: Weekly bloodwork results

WBC: 11,870 (Procyte), manual diff: 21% Het, 0% bands, 10% Lymphs, 66% Monos, 3% Eos, 0% Baso; Morph: Few hypersegmented hets, no reactive lymphs, few activated monos
 Platelets 885,000 minimal clumping
 TP 7.9 g/dl, PCV 39% (both manual)
Interp: Normal WBC and M:L ratio.

Blood submitted to NEHL for EEHV PCR testing
 Results pending

A: Clinically normal elephant with normal bloodwork
P: Continue once weekly CBC, EEHV PCR screening

JBR 11Feb2025

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample

Sample Detail

Collection Date/Time	11/Feb/2025 08:42
Sample Type	Whole Blood
Anatomical Source/Tissue	Left auricular vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
11/Feb/2025	~/~	Available	PORTLAND/24/24
11/Feb/2025	~/~	Available	NATELEHER/4/4

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	11/Feb/2025 08:42
Sample Type	Serum
Anatomical Source/Tissue	Left auricular vein
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
11/Feb/2025	~/~	Available	PORTLAND/1/1

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Request Detail

Date Requested	11/Feb/2025
Requested By	Carlos Sanchez
Analysis Start Date & Time	~
Analysis By	Jordan Butler
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

Cell morphology

Platelets:
Clumping: MINIMAL
Enlarged: 1+
Other:

Erythrocytes:
nRBC: NONE
Anisocytosis: 1+
Polychormasia: 1+
Hypochromasia: NONE

Poikilocytosis:
Target cells: 1+
Schistocytes: NONE
Keratocytes: NONE
Spherocytes: NONE
Other:

Leukocytes:

Heterophils:
Band heterophils # seen: NONE
Band precursor # seen: NONE
Hypersegmentation: FEW
Toxicity: NONE

Lymphocytes:
Reactivity: NONE
Enlarged:
Granular cytoplasm:
Nucleoli:

Monocytes:
Activation: FEW
Enlarged: NONE
Vacuolated: FEW
Excessively vacuolated: FEW

Notes: NONE

Entered by: JB

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)
- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
HCT	39 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Heterophil % [m]	21 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	10 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	66 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	3 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	885000		~	~	~	No
RBC [a]	3.17 *10^6 cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	35 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	13.5 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	110.4 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	42.59 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	~
MCHC [c]	38.57 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	~
RDW	13.8 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.3 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	10.5 *10^3 cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	11.87 *10^3 cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	2.49 *10^3 cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	~	No	No	~
Band count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	1.19 *10^3 cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	7.83 *10^3 cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.36 *10^3 cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV25-037632)

Collection Date/Time	11/Feb/2025 08:42	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Left auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	11/Feb/2025
Requested By	Carlos Sanchez
Laboratory	NATELEHER
Analysis Start Date	11/Feb/2025
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

KH

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
EEHV 1A qPCR	Negative ~	Not calculated	~	~	~	~
EEHV 1B qPCR	Negative ~	Not calculated	~	~	~	~
EEHV 4 qPCR	negative ~	Not calculated	~	~	~	~
EEHV 5 qPCR	negative ~	Not calculated	~	~	~	~

Sample Detail (GSN: S-HBV25-037632-S01)

Collection Date/Time	11/Feb/2025 08:42	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Left auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	11/Feb/2025
Requested By	Carlos Sanchez
Analysis Start Date & Time	~
Analysis By	Jordan Butler
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

e-jb

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
Total Protein (R)	7.9 g/dL	Global sp RI: 6.1 - 9.2 7.7 [7.8] N=241 (34)	~	No	No	No

Sample Detail (GSN: S-HBV25-037631)

Collection Date/Time	11/Feb/2025 08:42	Collection Method	Phlebotomy
Sample Type	Serum	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Left auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	~	Exclude from reference intervals	No

07/Feb/2025

Clinical note

Date	Time	Note Author
07/Feb/2025	00:00	Josie Rose
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

NEHL result: 1/28/25 EDTA WB was negative for EEHV1, 4, and 5

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

05/Feb/2025

Clinical note

Date	Time	Note Author
05/Feb/2025	00:00	Tina Batek
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

Proc: Elephant Foot Radiographs

History: 16 year-old male elephant. PMP performed 23Jan2025- history of tusk pulpitis, exam normal.

Restraint: Elephant in ERD. Behavioral conditioning with food reward.

Diagnostics:

- Imaging procedure:** Technique described in Mumby et al 2013. Images were acquired with the use of a custom made stand and portable imaging system (metal frame with radiolucent, acrylic top surface - plate placed below top surface with approx 3in gap). The plate was adjusted between views in relation to the X-ray beam and elephant foot.
 - Hindfeet radiographs:** dorsal aspect resting on stand, best views obtained with nail of digit 3 contacting acrylic top surface of stand

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

- **Settings:** 90 Kvp, 0.30s
- **Right hindfoot:** Plantaroproximal-dorsodistal oblique view (1)
- **Left hindfoot:** Plantaroproximal-dorsodistal view (3)
- Other notes: Tripod legs about 3/4 extended. Collimator positioned by CRS at an approx. 60 degree angle aiming to the plantar aspect of the feet with a distance of approx. 80 cm between the collimator and plate. Center of beam 10-15cm from bottom edge of foot. ERD door cannot be moved with elephant loaded, recommend starting with door at taller height to facilitate hindfoot imaging.
- Forefeet radiographs: sole resting on stand, best views obtained with sole parallel to surface of stand
 - **Settings:** 90 Kvp, 0.25s
 - **Right forefoot:** Dorsoproximal-palmarodistal oblique view (4)
 - **Left forefoot:** Dorsoproximal-palmarodistal oblique view (3)
 - Other notes: Tripod legs fully extended. Collimator was positioned by CRS at approx. 60 degree angle aiming at the dorsal aspect of the feet with a distance of approx. 80 cm between the collimator and plate. Center of beam 10-15cm from bottom edge of foot.

Assessment: Obtained radiographs without incident. No concerns on preliminary review.

Plan: Submit images for radiologist review. Continue with yearly radiograph screening. Keepers to continue routine foot management.

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

04/Feb/2025

Clinical note

Date	Time	Note Author
04/Feb/2025	00:00	Tina Batek
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

Proc: In house lab results: Weekly bloodwork results

WBC: 11,450 (Procyte), manual diff: 24% Het, 0% bands, 17% Lymphs, 58% Monos, 1% Eos, 0% Baso; Morph: Few hypersegmented hets, few reactive lymphs, few activated monos
 Platelets 693,000 minimal clumping
 TP 7.8 g/dl, PCV 39% (both manual)
Interp: Normal WBC and M:L ratio.

Blood submitted to NEHL for EEHV PCR testing
 Results pending

A: Clinically normal elephant with normal bloodwork
P: Continue once weekly CBC, EEHV PCR screening

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail

Collection Date/Time	04/Feb/2025 08:47
Sample Type	Plasma
Anatomical Source/Tissue	Right saphenous vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
04/Feb/2025	~/~	Available	PORTLAND/1/1

Notes
~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	04/Feb/2025 08:47
Sample Type	Whole Blood
Anatomical Source/Tissue	Right saphenous vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
04/Feb/2025	~/~	Available	PORTLAND/25/25
04/Feb/2025	~/~	Available	NATELEHER/4/4

Notes
~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Request Detail

Date Requested	04/Feb/2025
Requested By	Carlos Sanchez
Laboratory	NATELEHER
Analysis Start Date	~
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments
E = HB

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
EEHV 1A PCR	negative		~	~	~	No
EEHV 1B PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Sample Detail (GSN: S-HBV25-037606-S01)

Collection Date/Time	04/Feb/2025 08:47	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Right saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	04/Feb/2025
Requested By	Carlos Sanchez
Analysis Start Date & Time	04/Feb/2025 11:00
Analysis By	Rachel Wells
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments
E = RW

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
Total Protein (R)	7.8 g/dL	Global sp RI: 6.2 - 9.0 7.6 [7.6] N=1043 (18)	~	No	No	No

Sample Detail (GSN: S-HBV25-037607)

Collection Date/Time	04/Feb/2025 08:47	Collection Method	Phlebotomy
Sample Type	Plasma	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Right saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Request Detail

Date Requested	04/Feb/2025
Requested By	Carlos Sanchez
Analysis Start Date & Time	04/Feb/2025 11:00
Analysis By	Rachel Wells
Analysis Equipment	IDEXX
Insufficient Sample	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

Cell morphology

Platelets:
Clumping: minimal
Enlarged: 1+
Other:

Erythrocytes:
nRBC: 0 in 200 ct diff
Anisocytosis: 1+
Polychromasia: 0
Hypochromasia: 0

Poikilocytosis:
Target cells: 1+
Schistocytes: 0
Keratocytes: 0
Spherocytes: 0
Other: 0

Leukocytes:

Heterophils:
Band heterophils 0# seen: in 200 ct diff
Band precursor 0# seen: in 200 ct diff
Hypersegmentation: few
Toxicity: none

Lymphocytes:
Reactivity: few
Enlarged: few
Granular cytoplasm: few
Nucleoli: none

Monocytes:
Activation: few
Enlarged: few
Vacuolated: few
Excessively vacuolated: none

Notes:

Entered by: RW

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)
- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
HCT	39 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Est. WBC count	11.45 *10 ³ cells/μL	Global sp RI: 4 - 23 12 [12] N=73 (14)	~	No	~	No
Heterophil % [m]	24 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	17 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	58 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	1 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	693,000		~	~	~	No
RBC [a]	3.08 *10 ⁶ cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	32.9 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	13.4 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	106.8 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	43.51 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	~
MCHC [c]	40.73 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	~
RDW	13.7 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.2 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	6.8 *10 ³ cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	11.45 *10 ³ cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	2.75 *10 ³ cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	~	No	No	~
Band count [c]	0.00 *10 ³ cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	1.95 *10 ³ cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	6.64 *10 ³ cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.11 *10 ³ cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10 ³ cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV25-037606)

Collection Date/Time	04/Feb/2025 08:47	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Right saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

30/Jan/2025

Clinical note

Date	Time	Note Author
30/Jan/2025	00:00	Carlos Sanchez
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

NEHL result: 1/28/25 EDTA WB was negative for EEHV1, 4, and 5

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

28/Jan/2025

Clinical note

Date	Time	Note Author
28/Jan/2025	00:00	Tina Batek
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

Proc: In house lab results: Weekly bloodwork results

WBC: 10,530 (Procyte), manual diff: 24% Het, 0% bands, 13% Lymphs, 63% Monos, 0% Eos, 0% Baso; Morph: Few hypersegmented hets and mod activated monos.
 Platelets 724,999 minimal clumping
 TP 8.2 g/dl, PCV 41% (both manual)
 Interp: Normal WBC and M:L ratio.

Blood submitted to NEHL for EEHV PCR testing
 Results pending

A: Clinically normal elephant with normal bloodwork
 P: Continue once weekly CBC, EEHV PCR screening

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail

Collection Date/Time	28/Jan/2025 08:37
Sample Type	Plasma
Anatomical Source/Tissue	Auricular vein(not specified)
Additives/Preservatives	~
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Colorless
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Ambient
Initial Holding Duration	<= 10 hours

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
28/Jan/2025	~/~	Available	PORTLAND/1/1

Notes
~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	28/Jan/2025 08:37
Sample Type	Whole Blood
Anatomical Source/Tissue	Auricular vein(not specified)
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Ambient
Initial Holding Duration	<= 10 hours

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
28/Jan/2025	~/~	Available	PORTLAND/25/25
28/Jan/2025	~/~	Available	NATELEHER/4/4

Notes
~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Request Detail

Date Requested	28/Jan/2025
Requested By	Tina Batek
Analysis Start Date & Time	28/Jan/2025 09:21
Analysis By	Heather Brittingham
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Colorless
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments
E = RW

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
Total Protein (R)	8.2 g/dL	Global sp RI: 6.2 - 9.0 7.6 [7.6] N=1043 (18)	~	No	No	No

Sample Detail (GSN: S-HBV25-037571)

Collection Date/Time	28/Jan/2025 08:37	Collection Method	Phlebotomy
Sample Type	Plasma	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Auricular vein(not specified)	Reason	Recheck/Follow-up
Additives/Preservatives	~	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	28/Jan/2025
Requested By	Tina Batek
Analysis Start Date & Time	28/Jan/2025 09:21
Analysis By	Heather Brittingham
Analysis Equipment	IDEXX
Insufficient Sample	No

Sample Quality

Color	Colorless
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Notes/Comments

Cell morphology

Platelets:

Clumping: minimal (avg 48.3/hpf)
Enlarged: 1+
Other:

Erythrocytes:

nRBC: 0
Anisocytosis: 1+
Polychromasia: 0
Hypochromasia: 0

Poikilocytosis:

Target cells: 0
Schistocytes: 0
Keratocytes: 0
Spherocytes: 0
Other: 0

Leukocytes:

Heterophils:

Band heterophils 0# seen: in 200 ct diff
Band precursor 0# seen: in 200 ct diff
Hypersegmentation: few
Toxicity: none

Lymphocytes:

Reactivity: none
Enlarged:
Granular cytoplasm:
Nucleoli:

Monocytes:

Activation: moderate
Enlarged: few
Vacuolated: moderate
Excessively vacuolated: few

Notes: few hyposegmented heterophils

Entered by: RW

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)

- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Exclud. from RI	Clinical Finding	Reviewed
HCT	41 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Est. WBC count	10.53 *10 ³ cells/μL	Global sp RI: 4 - 23 12 [12] N=73 (14)	~	No	~	No
Heterophil % [m]	24 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	13 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	63 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	0 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	724,999		~	~	~	No
RBC [a]	2.97 *10 ⁶ cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	31.5 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	13.3 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	106.1 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	44.78 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	~
MCHC [c]	42.22 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	~
RDW	13.8 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.4 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	10.7 *10 ³ cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	10.53 *10 ³ cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	2.53 *10 ³ cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	~	No	No	~
Band count [c]	0.00 *10 ³ cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	1.37 *10 ³ cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	6.63 *10 ³ cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.00 *10 ³ cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10 ³ cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV25-037572)

Collection Date/Time	28/Jan/2025 08:37	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Auricular vein(not specified)	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	28/Jan/2025
Requested By	Carlos Sanchez
Laboratory	NATELEHER
Analysis Start Date	~
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Colorless
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

e=jb

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
EEHV 1A PCR	negative		~	~	~	No
EEHV 1B PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Sample Detail (GSN: S-HBV25-037572-S01)

Collection Date/Time	28/Jan/2025 08:37	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Auricular vein(not specified)	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

23/Jan/2025

Clinical note

Date	Time	Note Author
23/Jan/2025	00:00	Tina Batek
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet
		<input checked="" type="checkbox"/> Gingival pocket
		<input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

PROCEDURE: Routine PMP exam

Hx: Elephant is a 16yo male with a history of right tusk pulpitis (secondary to longitudinal cracks in Oct 2020) - treatment with sealant and periodical revisions. He had a class 1 right tusk fracture (distal tip, no pulp exposure) in Nov 2023 - monitored with radiographs. In Oct 2023 elephant presented with skin and eye lesions related to an alkaline chemical burn - lesions have since resolved (treated with SSD 1% and prednisolone). Current weight is 4599 kg (10118pounds). Nutritionist JDA assessed this animal at BCS of 5/9 in Dec 2024. Keepers report no concerns with this animal's appetite, activity level, behavior, urination, and defecation. No fecal gravy noted since Aug 2024.

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

O:
RESTRAINT: Behavioral restraint

EXAM:
 Weight: 4495 kg (16Jan2025)
 BCS: 5/9
 MM: pink, moist
 Gen: BAR, cooperative with keeper and vet staff
 EEENT: Anterior chamber clear OU, lens WNL OU; Ears: no discharge AU; Nares/Trunk: skin clear of lesions, no discharge. Tusks have tapered points bilaterally, no overt fissures noted.
 Oral cavity: No erosions, ulcerations, masses, petechiae noted
 Dental exam: No lesions of maxillary molars; unable to visualize mandibular molars (general impression: normal wear)
 Resp: Eupneic
 Integ: Skin: Good condition, no lesions, masses, or ectoparasites noted; Feet: Palmar and plantar feet in good condition; vertical cracks in nails of RRD3 and RLD5 (RLD5 extends to cuticle)
 MSK: Well muscled; normal ROM of all joints during stretching and limb flexion for foot inspection
 GI: No bloating present
 UG: Externally normal male
 Rectal: Not performed
 Neuro: Appropriate mentation

A: Chronic right tusk pulpitis - not assessed radiographically today; elephant otherwise healthy on exam
P: Continue PMP schedule. Radiographs (tusks and feet) and routine blood work schedule for later this month (CBC, Chem, CZE, SAA, Haptoglobin, Serum vitamin E); Routine NEHL monitoring

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Clinical note

Date	Time	Note Author
23/Jan/2025	00:00	Carlos Sanchez
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General
Notes/Comments

NEHL results: 1/21/25 EDTA WB was negative for EEHV1, 4, and 5.

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

21/Jan/2025

Clinical note

Date	Time	Note Author
21/Jan/2025	00:00	Carlos Sanchez

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Significant No **Private** No **Active Problems**

- CRACKED NAILS, Both rear feet
- Gingival pocket
- Pulpitis

Note Subtype: General

Notes/Comments

Proc: In house lab results: Weekly bloodwork results

WBC: 10,730 (Procyte), manual diff: 21% Het, 0% bands, 10% Lymphs, 68% Monos, 1% Eos, 0% Baso; Morph: Few reactive lymphs and few activated monos.
 Platelets 702,000 minimal clumping
 TP 8.0 g/dl, PCV 41% (both manual)
 Interp: Normal WBC and M:L ratio.

Blood submitted to NEHL for EEHV PCR testing
 Results pending

A: Clinically normal elephant with normal bloodwork
 P: Continue once weekly CBC, EEHV PCR screening

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time 21/Jan/2025 08:45
Sample Type Whole Blood
Anatomical Source/Tissue Right saphenous vein
Additives/Preservatives EDTA
Collection Method Phlebotomy
Collected By Dimas Dominguez
Reason Recheck/Follow-up
Exclude from reference intervals No

Sample Quality

Additional Characteristics ~
Degraded No

Pre-Sampling Conditions

Fasting Duration < 2 hours
Restraint Type Behavioral
Activity Low activity

Initial Holding Conditions

Initial Holding Temp. Chilled/Refrigerated
Initial Holding Duration <= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
21/Jan/2025	~/~	Available	PORTLAND/24/24
21/Jan/2025	~/~	Available	NATELEHER/4/4

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail

Collection Date/Time	21/Jan/2025 08:45
Sample Type	Plasma
Anatomical Source/Tissue	Right saphenous vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
21/Jan/2025	~/~	Available	PORTLAND/1/1

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Test Request Detail

Date Requested	21/Jan/2025
Requested By	Carlos Sanchez
Analysis Start Date & Time	~
Analysis By	Rachel Wells
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Notes/Comments

Cell morphology

Platelets:

Clumping: minimal
Enlarged: 1+ (rare megaplatelets)
Other:

Erythrocytes:

nRBC: 1 seen in 200 ct differential
Anisocytosis: 1+
Polychromasia: {normochromic}
Hypochromasia:

Poikilocytosis:

Target cells: 1+
Schistocytes: 0
Keratocytes: 0
Spherocytes: 0
Other: 0

Leukocytes:

Heterophils:

Band heterophils 0# seen: in 200 ct diff
Band precursor 0# seen: in 200 ct diff
Hypersegmentation: few
Toxicity: none

Lymphocytes:

Reactivity: few
Enlarged: few
Granular cytoplasm: few (darkened around cytoplasmic edge)
Nucleoli: none

Monocytes:

Activation: few
Enlarged: few
Vacuolated: few
Excessively vacuolated: none

Notes:

(1) Hyopsegmented heterophil seen on 200 ct diff

Entered by: RW

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)

- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
HCT	39 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Heterophil % [m]	21 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	10 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	68 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	1 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	702,000		~	~	~	No
RBC [a]	2.95 *10^6 cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	31.2 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	12.9 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	105.8 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	43.73 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	No
MCHC [c]	41.35 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	No
RDW	13.8 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.2 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	7.1 *10^3 cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	10.73 *10^3 cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	2.25 *10^3 cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	~	No	No	~
Band count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	1.07 *10^3 cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	7.30 *10^3 cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.11 *10^3 cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV25-037542)

Collection Date/Time	21/Jan/2025 08:45	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Right saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	21/Jan/2025
Requested By	Carlos Sanchez
Laboratory	NATELEHER
Analysis Start Date	~
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

e=jb

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
EEHV 1A PCR	negative		~	~	~	No
EEHV 1B PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Sample Detail (GSN: S-HBV25-037542-S01)

Collection Date/Time	21/Jan/2025 08:45	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Right saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	21/Jan/2025
Requested By	Carlos Sanchez
Analysis Start Date & Time	~
Analysis By	Rachel Wells
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

E = HB

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Exclud. from RI	Clinical Finding	Reviewed
Total Protein (R)	7.9 g/dL	Global sp RI: 6.2 - 9.0 7.6 [7.6] N=1043 (18)	~	No	No	No

Sample Detail (GSN: S-HBV25-037541)

Collection Date/Time	21/Jan/2025 08:45	Collection Method	Phlebotomy
Sample Type	Plasma	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Right saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

16/Jan/2025

Clinical note

Date	Time	Note Author
16/Jan/2025	00:00	Carlos Sanchez
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

NEHL result: 01/14/25 EDTA WB was negative for EEHV1, 4, and 5.

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

14/Jan/2025

Clinical note

Date	Time	Note Author
14/Jan/2025	00:00	Carlos Sanchez
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

Proc: In house lab results: Weekly bloodwork results

WBC: 10,650 (Procyte), manual diff: 15% Het, 0% bands, 14% Lymphs, 69% Monos, 2% Eos, 0% Baso; Morph: Few reactive lymphs and few activated monos.
Platelets 810,000 minimal clumping
TP 8.0 g/dl, PCV 41% (both manual)
Interp: Normal WBC and M:L ratio.

Blood submitted to NEHL for EEHV PCR testing
Results pending

A: Clinically normal elephant with normal bloodwork
P: Continue once weekly CBC, EEHV PCR screening

Animal Care Staff Medical Summary

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	14/Jan/2025 08:30
Sample Type	Plasma
Anatomical Source/Tissue	Auricular vein(not specified)
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
14/Jan/2025	~/~	Available	PORTLAND/1/1

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	14/Jan/2025 08:30
Sample Type	Whole Blood
Anatomical Source/Tissue	Auricular vein(not specified)
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
14/Jan/2025	~/~	Available	PORTLAND/24/24
14/Jan/2025	~/~	Available	NATELEHER/4/4

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test & Result

Test Request Detail

Date Requested	14/Jan/2025
Requested By	Josie Rose
Analysis Start Date & Time	~
Analysis By	Jordan Butler
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

Cell morphology

Platelets:

Clumping: minimal
Enlarged: 1-2+
Other: /

Erythrocytes:

nRBC: none
Anisocytosis: 1+
Polychormasia: 1+
Hypochromasia: /

Poikilocytosis:

Target cells: 1+
Schistocytes: /
Keratocytes: /
Spherocytes: /
Other: /

Leukocytes:

Heterophils:

Band heterophils # seen: none
Band precursor # seen: none
Hypersegmentation: few
Toxicity: none

Lymphocytes:

Reactivity: few
Enlarged: none
Granular cytoplasm: few
Nucleoli: few

Monocytes:

Activation: mod
Enlarged: few
Vacuolated: mod
Excessively vacuolated: few

Notes: few RBCs that appear to be partially degenerated

Entered by: HB

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)

- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
HCT	41 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Heterophil % [m]	15 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	14 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	69 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	2 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	810,000		~	~	~	No
RBC [a]	3.17 *10^6 cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	34.7 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	13.5 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	109.5 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	42.59 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	~
MCHC [c]	38.90 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	~
RDW	13.9 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.2 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	6.3 *10^3 cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	10.65 *10^3 cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	1.60 *10^3 cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	Low	No	No	~
Band count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	1.49 *10^3 cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	7.35 *10^3 cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.21 *10^3 cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV25-037523)

Collection Date/Time	14/Jan/2025 08:30	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Auricular vein(not specified)	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	14/Jan/2025
Requested By	Josie Rose
Laboratory	NATELEHER
Analysis Start Date	~
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

E = HB

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
EEHV 1A PCR	negative		~	~	~	No
EEHV 1B PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Sample Detail (GSN: S-HBV25-037523-S01)

Collection Date/Time	14/Jan/2025 08:30	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Auricular vein(not specified)	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	14/Jan/2025
Requested By	Josie Rose
Analysis Start Date & Time	~
Analysis By	Jordan Butler
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

E= HB

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
Total Protein (R)	8.0 g/dL	Global sp RI: 6.2 - 9.0 7.6 [7.6] N=1043 (18)	~	No	No	No

Sample Detail (GSN: S-HBV25-037522)

Collection Date/Time	14/Jan/2025 08:30	Collection Method	Phlebotomy
Sample Type	Plasma	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Auricular vein(not specified)	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

08/Jan/2025

Clinical note

Date	Time	Note Author
08/Jan/2025	00:00	Tina Batek
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

NEHL Results: 1/7/25 EDTA WB was negative for EEHV1, 4, and 5.

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

07/Jan/2025

Clinical note

Date	Time	Note Author
07/Jan/2025	00:00	Josie Rose
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

In house lab - Weekly bloodwork results

WBC: 11.27k (Est), manual diff: 15% Het, 0% bands, 19% Lymphs, 65% Monos, 1% Eos, 0% Baso; Morph: Few hypersegmented heterophils, no toxic changes to heterophils; moderate reactive lymphs, moderate activated monos
 Platelets 782k, minimal clumping
 TP 8.0 g/dl, PCV 40% (both manual)
 Interp: Normal WBC and M:L ratio.

Blood submitted to NEHL for EEHV PCR testing
 Results pending

A: Clinically normal elephant with normal bloodwork
P: Continue once weekly CBC, EEHV PCR screening

Animal Care Staff Medical Summary

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	07/Jan/2025 08:25
Sample Type	Plasma
Anatomical Source/Tissue	Auricular vein(not specified)
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
07/Jan/2025	~/~	Available	PORTLAND/1/1

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	07/Jan/2025 08:25
Sample Type	Whole Blood
Anatomical Source/Tissue	Auricular vein(not specified)
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
07/Jan/2025	~/~	Available	PORTLAND/24/24
07/Jan/2025	~/~	Available	NATELEHER/4/4

Notes

~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Test Request Detail		Sample Quality	
Date Requested	07/Jan/2025	Color	Straw
Requested By	Josie Rose	Color Intensity	light
Analysis Start Date & Time	~	Clarity	Clear
Analysis By	Heather Brittingham	Consistency	~
Analysis Equipment	~	Additional Characteristics	~
Insufficient Sample	No	Degraded	No

Notes/Comments
E = HB

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
Total Protein (R)	8.0 g/dL	Global sp RI: 6.2 - 9.0 7.6 [7.6] N=1043 (18)	~	No	No	No

Sample Detail (GSN: S-HBV25-037500)

Collection Date/Time	07/Jan/2025 08:25	Collection Method	Phlebotomy
Sample Type	Plasma	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Auricular vein(not specified)	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail		Sample Quality	
Date Requested	07/Jan/2025	Color	Straw
Requested By	Josie Rose	Color Intensity	light
Laboratory	NATELEHER	Clarity	Clear
Analysis Start Date	~	Consistency	~
Analysis Equipment	~	Additional Characteristics	~
Insufficient Sample	No	Degraded	No

Notes/Comments
E=HB

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
EEHV 1A PCR	negative		~	~	~	No
EEHV 1B PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV25-037501-S01)

Collection Date/Time	07/Jan/2025 08:25	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Auricular vein(not specified)	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	07/Jan/2025
Requested By	Josie Rose
Analysis Start Date & Time	~
Analysis By	Heather Brittingham
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

Cell morphology

Platelets:

Clumping: minimal
Enlarged: 1+
Other: /

Erythrocytes:

nRBC: none seen
Anisocytosis: 2+
Polychormasia: 0-1+
Hypochromasia: /

Poikilocytosis:

Target cells: 0-1+
Schistocytes: /
Keratocytes: /
Spherocytes: /
Other: /

Leukocytes:

Heterophils:

Band heterophils # seen: 0 in 200
Band precursor # seen: 0 in 200
Hypersegmentation: few
Toxicity: none

Lymphocytes:

Reactivity: mod
Enlarged: mod
Granular cytoplasm: few
Nucleoli: none

Monocytes:

Activation: mod
Enlarged: few
Vacuolated: mod
Excessively vacuolated: few

Notes:

Entered by: HB

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)
- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
HCT	40 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Heterophil % [m]	15 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	19 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	65 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	1 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	782,142		~	~	~	No
RBC [a]	3.0 *10^6 cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	32.8 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	12.8 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	109.3 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	42.67 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	No
MCHC [c]	39.02 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	No
RDW	13.9 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.3 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	9.0 *10^3 cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	11.27 *10^3 cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	1.69 *10^3 cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	Low	No	No	~
Band count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	2.14 *10^3 cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	7.33 *10^3 cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.11 *10^3 cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV25-037501)

Collection Date/Time	07/Jan/2025 08:25	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Auricular vein(not specified)	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

03/Jan/2025

Clinical note

Date	Time	Note Author
03/Jan/2025	00:00	Josie Rose
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

WEEKLY EEHV MONITORING

Samudra's 1/2/25 EDTA WB was negative for EEHV1 4, and 5.

Animal Care Staff Medical Summary

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

31/Dec/2024

Clinical note

Date	Time	Note Author
31/Dec/2024	00:00	Gail Huckins
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

In house lab - Weekly bloodwork results

WBC: 11.3k (Est), manual diff: 17% Het, 0% bands, 15% Lymphs, 67% Monos, 1% Eos, 0% Baso; Morph: Few hypersegmented heterophils, no toxic changes to heterophils; few reactive lymphs, few activated monos
 Platelets 789k, minimal clumping
 TP 8.2 g/dl, PCV 41% (both manual)
 Interp: Normal WBC and M:L ratio.

Blood submitted to NEHL for EEHV PCR testing
 Results pending

A: Clinically normal elephant with normal bloodwork
 P: Continue once weekly CBC, EEHV PCR screening

Animal Care Staff Medical Summary

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample

Sample Detail

Collection Date/Time	31/Dec/2024 08:55
Sample Type	Plasma
Anatomical Source/Tissue	~
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
31/Dec/2024	~/~	Available	PORTLAND/1/1

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	31/Dec/2024 08:55
Sample Type	Whole Blood
Anatomical Source/Tissue	Left saphenous vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
31/Dec/2024	~/~	Available	PORTLAND/25/25
31/Dec/2024	~/~	Available	NATELEHER/4/4

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Request Detail

Date Requested	31/Dec/2024
Requested By	Gail Huckins
Analysis Start Date & Time	31/Dec/2024 11:00
Analysis By	Rachel Wells
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments
E = RW

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
Total Protein (R)	8.2 g/dL	Global sp RI: 6.2 - 9.0 7.6 [7.6] N=1043 (18)	~	No	No	No

Sample Detail (GSN: S-HBV24-037482)

Collection Date/Time	31/Dec/2024 08:55	Collection Method	Phlebotomy
Sample Type	Plasma	Collected By	Dimas Dominguez
Anatomical Source/Tissue	~	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	31/Dec/2024
Requested By	Tina Batek
Laboratory	NATELEHER
Analysis Start Date	~
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments
E = HB

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
EEHV 1A PCR	negative		~	~	~	No
EEHV 1B PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Sample Detail (GSN: S-HBV24-037481-S01)

Collection Date/Time	31/Dec/2024 08:55	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Left saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Request Detail

Date Requested	31/Dec/2024
Requested By	Gail Huckins
Analysis Start Date & Time	31/Dec/2024 11:00
Analysis By	Rachel Wells
Analysis Equipment	IDEXX
Insufficient Sample	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

Cell morphology

Platelets:
Clumping: minimal
Enlarged: 2+ (few megaplatelets seen)
Other:

Erythrocytes:
nRBC: 0
Anisocytosis: 2+
Polychromasia: 0 (Normochromic)
Hypochromasia: 0

Poikilocytosis:
Target cells: 1+
Schistocytes: 0
Keratocytes: 0
Spherocytes: 0
Other: 0

Leukocytes:

Heterophils:
Band heterophils 0# seen: in 200 ct diff
Band precursor 0# seen: in 200 ct diff
Hypersegmentation: few
Toxicity: none

Lymphocytes:
Reactivity: few
Enlarged: few
Granular cytoplasm: few (granular staining cytoplasmic edge)
Nucleoli: none

Monocytes:
Activation: few
Enlarged: few
Vacuolated: few
Excessively vacuolated:none

Notes:

Entered by: RW

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)
- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Exclud. from RI	Clinical Finding	Reviewed
HCT	41 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Est. WBC count	14.5 *10 ³ cells/μL	Global sp RI: 4 - 23 12 [12] N=73 (14)	~	No	~	No
Heterophil % [m]	17 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	15 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	67 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	1 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	789,000		~	~	~	No
RBC [a]	3.16 *10 ⁶ cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	34.2 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	13.4 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	108.2 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	42.41 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	~
MCHC [c]	39.18 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	~
RDW	13.8 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.2 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	7.3 *10 ³ cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	11.30 *10 ³ cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	1.92 *10 ³ cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	~	No	No	~
Band count [c]	0.00 *10 ³ cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	1.70 *10 ³ cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	7.57 *10 ³ cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.11 *10 ³ cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10 ³ cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV24-037481)

Collection Date/Time	31/Dec/2024 08:55	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Left saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

24/Dec/2024

Clinical note

Date	Time	Note Author
24/Dec/2024	00:00	Tina Batek
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

In house lab - Weekly bloodwork results

WBC: 11.46k (Est), manual diff: 21% Het, 0% bands, 11% Lymphs, 67% Monos, 1% Eos, 0% Baso; Morph: Few hypersegmented heterophils, no toxic changes to heterophils; few reactive lymphs, moderate activated monos
Platelets 813.75k, minimal clumping
TP 7.9 g/dl, PCV 40% (both manual)
Interp: Normal WBC and M:L ratio.

Blood submitted to NEHL for EEHV PCR testing
Results pending

A: Clinically normal elephant with normal bloodwork
P: Continue once weekly CBC, EEHV PCR screening

Animal Care Staff Medical Summary

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	24/Dec/2024 08:14
Sample Type	Whole Blood
Anatomical Source/Tissue	Left saphenous vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Rachel Wells
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Initial Holding Conditions

Initial Holding Temp.	Ambient
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
24/Dec/2024	~/~	Available	PORTLAND/24/24
24/Dec/2024	~/~	Available	NATELEHER/4/4

Notes

~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	24/Dec/2024 08:14
Sample Type	Plasma
Anatomical Source/Tissue	Left saphenous vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Rachel Wells
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Red
Color Intensity	medium
Clarity	Clear
Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Ambient
Initial Holding Duration	<= 10 hours

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
24/Dec/2024	~/~	Available	PORTLAND/1/1

Notes
~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Test Request Detail

Date Requested	24/Dec/2024
Requested By	Tina Batek
Analysis Start Date & Time	~
Analysis By	Heather Brittingham
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Red
Color Intensity	medium
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Notes/Comments

Cell morphology

Platelets:

Clumping: minimal
Enlarged: 1+
Other: /

Erythrocytes:

nRBC: none
Anisocytosis: 2+
Polychromasia: /
Hypochromasia: /

Poikilocytosis:

Target cells: /
Schistocytes: /
Keratocytes: /
Spherocytes: /
Other: /

Leukocytes:

Heterophils:

Band heterophils # seen: 0 in 200 count
Band precursor # seen: 0 in 200 count
Hypersegmentation: few
Toxicity: none

Lymphocytes:

Reactivity: few
Enlarged: few
Granular cytoplasm: none
Nucleoli: few

Monocytes:

Activation: few
Enlarged: few
Vacuolated: few
Excessively vacuolated: none

Notes:

Entered by: HB

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)

- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
HCT	40 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Heterophil % [m]	21 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	11 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	67 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	1 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	813,750		~	~	~	No
RBC [a]	3.02 *10^6 cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	32.9 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	13.1 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	108.9 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	43.38 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	No
MCHC [c]	39.82 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	No
RDW	13.7 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.4 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	10.6 *10^3 cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	11.46 *10^3 cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	2.41 *10^3 cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	~	No	No	~
Band count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	1.26 *10^3 cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	7.68 *10^3 cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.11 *10^3 cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV24-037469)

Collection Date/Time	24/Dec/2024 08:14	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Rachel Wells
Anatomical Source/Tissue	Left saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	24/Dec/2024
Requested By	Carlos Sanchez
Laboratory	NATELEHER
Analysis Start Date	~
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Red
Color Intensity	medium
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

E=JB

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
EEHV 1A PCR	negative		~	~	~	No
EEHV 1B PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Sample Detail (GSN: S-HBV24-037469-S01)

Collection Date/Time	24/Dec/2024 08:14	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Rachel Wells
Anatomical Source/Tissue	Left saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	24/Dec/2024
Requested By	Tina Batek
Analysis Start Date & Time	~
Analysis By	Heather Brittingham
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Red
Color Intensity	medium
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

E = HB

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Exclud. from RI	Clinical Finding	Reviewed
Total Protein (R)	7.9 g/dL	Global sp RI: 6.2 - 9.0 7.6 [7.6] N=1043 (18)	~	No	No	No

Sample Detail (GSN: S-HBV24-037468)

Collection Date/Time	24/Dec/2024 08:14	Collection Method	Phlebotomy
Sample Type	Plasma	Collected By	Rachel Wells
Anatomical Source/Tissue	Left saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

19/Dec/2024

Clinical note

Date	Time	Note Author
19/Dec/2024	00:00	Carlos Sanchez
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

NEHL results: 12/17/24 EDTA WB was negative for EEHV1, 4, and 5.

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

17/Dec/2024

Clinical note

Date	Time	Note Author
17/Dec/2024	00:00	Josie Rose
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

In house lab - Weekly bloodwork results

WBC: 12.75k (Est), manual diff: 21% Het, 0% bands, 15% Lymphs, 62% Monos, 2% Eos, 0% Baso; Morph: Few hypersegmented heterophils, few toxic changes to heterophils (basophilia +/- Dohle bodies), few reactive lymphs, moderate activated monos
 Platelets 799.5k, minimal clumping
 TP 8.0 g/dl, PCV 40% (both manual)
 Interp: Normal WBC and M:L ratio.

Blood submitted to NEHL for EEHV PCR testing
 Results pending

A: Clinically normal elephant with normal bloodwork
P: Continue once weekly CBC, EEHV PCR screening

Animal Care Staff Medical Summary

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	17/Dec/2024 08:45
Sample Type	Whole Blood
Anatomical Source/Tissue	Right ear
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
17/Dec/2024	~/~	Available	NATELEHER/4/4
17/Dec/2024	~/~	Available	PORTLAND/24/24

Notes

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	17/Dec/2024 08:45
Sample Type	Plasma
Anatomical Source/Tissue	Right ear
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
17/Dec/2024	~/~	Available	PORTLAND/1/1

Notes

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Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Calendar Items			
Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Test Request Detail	
Date Requested	17/Dec/2024
Requested By	Josie Rose
Analysis Start Date & Time	~
Analysis By	Shara Seals
Analysis Equipment	~
Insufficient Sample	No

Sample Quality	
Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

Cell morphology

Platelets:
Clumping: minimal
Enlarged: 0-1+
Other: /

Erythrocytes:
nRBC: 0
Anisocytosis: 2+
Polychormasia: 1+
Hypochromasia: 2+

Poikilocytosis:
Target cells: 1+
Schistocytes: /
Keratocytes: /
Spherocytes: /
Other: /

Leukocytes:

Heterophils:
Band heterophils # seen: 0
Band precursor # seen: 0
Hypersegmentation: few
Toxicity: few 1+

Lymphocytes:
Reactivity: few
Enlarged: few
Granular cytoplasm: none
Nucleoli: few

Monocytes:
Activation: mod
Enlarged: mod
Vacuolated: mod
Excessively vacuolated: none

Notes:

Entered by: HB

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)
- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
HCT	40 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Heterophil % [m]	21 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	15 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	62 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	2 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	799,500		~	~	~	No
RBC [a]	3.11 *10^6 cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	33.6 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	13.5 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	108 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	43.41 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	~
MCHC [c]	40.18 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	~
RDW	13.7 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.3 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	10.3 *10^3 cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	12.2 *10^3 cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	2.56 *10^3 cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	~	No	No	~
Band count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	1.83 *10^3 cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	7.56 *10^3 cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.24 *10^3 cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV24-037444-S01)

Collection Date/Time	17/Dec/2024 08:45	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Right ear	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	17/Dec/2024
Requested By	Carlos Sanchez
Laboratory	NATELEHER
Analysis Start Date	~
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

E = HB

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
EEHV 1A PCR	negative		~	~	~	No
EEHV 1B PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Sample Detail (GSN: S-HBV24-037444)

Collection Date/Time	17/Dec/2024 08:45	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Right ear	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	17/Dec/2024
Requested By	Josie Rose
Analysis Start Date & Time	~
Analysis By	Shara Seals
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

E = HB

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
Total Protein (R)	8.0 g/dL	Global sp RI: 6.2 - 9.0 7.6 [7.6] N=1043 (18)	~	No	No	No

Sample Detail (GSN: S-HBV24-037443)

Collection Date/Time	17/Dec/2024 08:45	Collection Method	Phlebotomy
Sample Type	Plasma	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Right ear	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

11/Dec/2024

Clinical note

Date	Time	Note Author
11/Dec/2024	00:00	Tina Batek
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

NEHL Results: 12/10/24 EDTA WB was negative for EEHV1, 4, and 5.

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

10/Dec/2024

Clinical note

Date	Time	Note Author
10/Dec/2024	00:00	Gail Huckins
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

In house lab - Weekly bloodwork results

WBC: 12.07k (Procyte), manual diff: 37% Het, 0% bands, 11% Lymphs, 50% Monos, 2% Eos, 0% Baso; Morph: few hets with foamy cytoplasm, few reactive lymphs, few activated monos
 Platelets 733.5k, minimal clumping
 TP 7.6 g/dl, PCV 39% (both manual)
 Interp: Normal WBC and M:L ratio.

Blood submitted to NEHL for EEHV PCR testing
 Results pending

A: Clinically normal elephant with normal bloodwork
P: Continue once weekly CBC, EEHV PCR screening

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	10/Dec/2024 08:50
Sample Type	Plasma
Anatomical Source/Tissue	Left auricular vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Red
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
10/Dec/2024	~/~	Available	PORTLAND/1/1

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	10/Dec/2024 08:50
Sample Type	Whole Blood
Anatomical Source/Tissue	Left auricular vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
10/Dec/2024	~/~	Available	NATELEHER/4/4
10/Dec/2024	~/~	Available	PORTLAND/24/24

Notes

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Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Test Request Detail

Date Requested	10/Dec/2024
Requested By	Gail Huckins
Analysis Start Date & Time	~
Analysis By	Rachel Wells
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

Cell morphology

Platelets:
Clumping: minimal
Enlarged: 1+
Other:

Erythrocytes:
nRBC: 0
Anisocytosis: 2+
Polychormasia: /
Hypochromasia: /

Poikilocytosis:
Target cells: 1+
Schistocytes:
Keratocytes:
Spherocytes:
Other:

Leukocytes:

Heterophils:
Band heterophils # seen: none
Band precursor # seen: none
Hypersegmentation: few
Toxicity: 2+ few - foamy cytoplasm

Lymphocytes:
Reactivity: few
Enlarged: few
Granular cytoplasm: few
Nucleoli: none

Monocytes:
Activation: few
Enlarged: few
Vacuolated: few
Excessively vacuolated: none

Notes:

Entered by: HB

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)

- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
HCT	40 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Heterophil % [m]	37 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	11 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	50 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	2 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	733,500		~	~	~	No
RBC [a]	2.96 *10^6 cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	31.4 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	13.8 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	106.1 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	46.62 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	~
MCHC [c]	43.95 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	High	No	No	~
RDW	13.9 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.4 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	11.8 *10^3 cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	12.07 *10^3 cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	4.47 *10^3 cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	~	No	No	~
Band count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	1.33 *10^3 cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	6.04 *10^3 cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.24 *10^3 cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV24-037427-S01)

Collection Date/Time	10/Dec/2024 08:50	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Left auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	10/Dec/2024
Requested By	Carlos Sanchez
Laboratory	NATELEHER
Analysis Start Date	~
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

e=JB

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
EEHV 1A PCR	negative		~	~	~	No
EEHV 1B PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Sample Detail (GSN: S-HBV24-037427)

Collection Date/Time	10/Dec/2024 08:50	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Left auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	10/Dec/2024
Requested By	Gail Huckins
Analysis Start Date & Time	~
Analysis By	Rachel Wells
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Red
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

E = HB

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
Total Protein (R)	8.0 g/dL	Global sp RI: 6.2 - 9.0 7.6 [7.6] N=1043 (18)	~	No	No	No

Sample Detail (GSN: S-HBV24-037428)

Collection Date/Time	10/Dec/2024 08:50	Collection Method	Phlebotomy
Sample Type	Plasma	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Left auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

06/Dec/2024

Clinical note

Date	Time	Note Author
06/Dec/2024	00:00	Tina Batek
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

NEHL results: 12/3/24 EDTA WB was negative for EEHV1, 4, and 5.

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

03/Dec/2024

Clinical note

Date	Time	Note Author
03/Dec/2024	00:00	Carlos Sanchez
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

Proc: In house lab results: Weekly bloodwork results

WBC: 11,220 (Procyte), manual diff: 27% Het, 0% bands, 7% Lymphs, 66% Monos, 0% Eos, 0% Baso; Morph: Few reactive lymphs and few activated monos.
 Platelets 605,625 minimal clumping
 TP 7.6 g/dl, PCV 39% (both manual)
 Interp: Normal WBC and M:L ratio.

Blood submitted to NEHL for EEHV PCR testing
 Results pending

A: Clinically normal elephant with normal bloodwork
 P: Continue once weekly CBC, EEHV PCR screening

Animal Care Staff Medical Summary

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	03/Dec/2024 08:30
Sample Type	Serum
Anatomical Source/Tissue	Right saphenous vein
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Pink
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	~

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
03/Dec/2024	~/~	Available	~/~/~

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	03/Dec/2024 08:30
Sample Type	Plasma
Anatomical Source/Tissue	Right saphenous vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Pink
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	~

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
03/Dec/2024	~/~	Available	PORTLAND/1/1

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail

Collection Date/Time	03/Dec/2024 08:30
Sample Type	Whole Blood
Anatomical Source/Tissue	Right saphenous vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	~

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
03/Dec/2024	~/~	Available	NATELEHER/4/4
03/Dec/2024	~/~	Available	PORTLAND/24/24

Notes

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Test Request Detail

Date Requested	03/Dec/2024
Requested By	Carlos Sanchez
Analysis Start Date & Time	~
Analysis By	Jordan Butler
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Pink
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Notes/Comments

Cell morphology

Platelets:

Clumping: minimal
Enlarged: 1-2+
Other: /

Erythrocytes:

nRBC: 0
Anisocytosis: 1+
Polychromasia: 1+
Hypochromasia: /

Poikilocytosis:

Target cells: 1+
Schistocytes: 1+
Keratocytes: 1+
Spherocytes: /
Other:

Leukocytes:

Heterophils:

Band heterophils # seen: none
Band precursor # seen: none
Hypersegmentation: few
Toxicity: few (1+,2+,3+ all few)

Lymphocytes:

Reactivity: few
Enlarged: none
Granular cytoplasm: none
Nucleoli: few

Monocytes:

Activation: mod
Enlarged: many
Vacuolated: mod
Excessively vacuolated: mod

Notes: there were a couple VERY enlarged platelets, some of the heterophils have vacuolated and some enlarged + some with areas of degranulation

Entered by: HB

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)

- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
HCT	39 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Heterophil % [m]	27 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	7 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	66 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	0 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	605,625		~	~	~	No
RBC [a]	2.85 *10^6 cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	31.3 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	12.5 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	109.8 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	43.86 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	~
MCHC [c]	39.94 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	~
RDW	13.8 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.3 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	7.1 *10^3 cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	11.22 *10^3 cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	3.03 *10^3 cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	~	No	No	~
Band count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	0.79 *10^3 cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	7.41 *10^3 cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV24-037385-S01)

Collection Date/Time	03/Dec/2024 08:30	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Right saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	03/Dec/2024
Requested By	Carlos Sanchez
Analysis Start Date & Time	~
Analysis By	Jordan Butler
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Pink
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

E = HB

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
Total Protein (R)	7.6 g/dL	Global sp RI: 6.2 - 9.0 7.6 [7.6] N=1043 (18)	~	No	No	No

Sample Detail (GSN: S-HBV24-037386)

Collection Date/Time	03/Dec/2024 08:30	Collection Method	Phlebotomy
Sample Type	Plasma	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Right saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	03/Dec/2024
Requested By	Carlos Sanchez
Laboratory	NATELEHER
Analysis Start Date	~
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Pink
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

e-jb

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
EEHV 1A PCR	negative		~	~	~	No
EEHV 1B PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Sample Detail (GSN: S-HBV24-037385)

Collection Date/Time	03/Dec/2024 08:30	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Right saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

27/Nov/2024

Clinical note

Date	Time	Note Author
27/Nov/2024	00:00	Tina Batek
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

NEHL results: 11/27/24 EDTA WB was negative for EEHV1, 4, and 5.

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

26/Nov/2024

Clinical note

Date	Time	Note Author
26/Nov/2024	00:00	Carlos Sanchez
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

Proc: In house lab results: Weekly bloodwork results

WBC: 11,600 (Procyte), manual diff: 24% Het, 0% bands, 13% Lymphs, 62% Monos, 1% Eos, 0% Baso; Morph: Mod reactive lymphs and mod activated monos.
 Platelets 832, 500 minimal clumping
 TP 8.0 g/dl, PCV 40% (both manual)
 Interp: Normal WBC and M:L ratio.

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Blood submitted to NEHL for EEHV PCR testing
Results pending

A: Clinically normal elephant with normal bloodwork
P: Continue once weekly CBC, EEHV PCR screening

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time 26/Nov/2024 08:40
Sample Type Serum
Anatomical Source/Tissue Left saphenous vein
Collection Method Phlebotomy
Collected By Jordan Butler
Reason Recheck/Follow-up
Exclude from reference intervals No

Sample Quality

Color Straw
Color Intensity light
Clarity Clear
Additional Characteristics ~
Degraded No

Initial Holding Conditions

Initial Holding Temp. Chilled/Refrigerated
Initial Holding Duration <= 10 hours

Pre-Sampling Conditions

Fasting Duration < 2 hours
Restraint Type Behavioral
Activity Low activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
26/Nov/2024	~/~	Available	PORTLAND/22/22

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time 26/Nov/2024 08:40
Sample Type Whole Blood
Anatomical Source/Tissue Left saphenous vein
Additives/Preservatives EDTA
Collection Method Phlebotomy
Collected By Jordan Butler
Reason Recheck/Follow-up
Exclude from reference intervals No

Sample Quality

Additional Characteristics ~
Degraded No

Initial Holding Conditions

Initial Holding Temp. Chilled/Refrigerated
Initial Holding Duration <= 10 hours

Pre-Sampling Conditions

Fasting Duration < 2 hours
Restraint Type Behavioral
Activity Low activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
26/Nov/2024	~/~	Available	NATELEHER/4/4
26/Nov/2024	~/~	Available	PORTLAND/24/24

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Test Request Detail

Date Requested	26/Nov/2024
Requested By	Carlos Sanchez
Laboratory	NATELEHER
Analysis Start Date	~
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

E = HB

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
EEHV 1A PCR	negative		~	~	~	No
EEHV 1B PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Sample Detail (GSN: S-HBV24-037366)

Collection Date/Time	26/Nov/2024 08:40	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Jordan Butler
Anatomical Source/Tissue	Left saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	26/Nov/2024
Requested By	Carlos Sanchez
Analysis Start Date & Time	~
Analysis By	Shara Seals
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Notes/Comments

Cell morphology

Platelets:

Clumping: minimal
Enlarged: 1+
Other:

Erythrocytes:

nRBC: 2
Anisocytosis: 1+
Polychromasia: 1+
Hypochromasia: /

Poikilocytosis:

Target cells: /
Schistocytes: /
Keratocytes: /
Spherocytes: /
Other: /

Leukocytes:

Heterophils:

Band heterophils # seen: 0
Band precursor # seen: 0
Hypersegmentation: few
Toxicity: none

Lymphocytes:

Reactivity: mod
Enlarged: mod
Granular cytoplasm: none
Nucleoli: none

Monocytes:

Activation: mod
Enlarged: mod
Vacuolated: mod
Excessively vacuolated: none

Notes:

Entered by: HB

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)

- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
HCT	41 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Heterophil % [m]	24 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	13 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	62 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	1 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	832,500		~	~	~	No
RBC [a]	3.06 *10^6 cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	33.4 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	13.3 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	109.2 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	43.46 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	~
MCHC [c]	39.82 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	~
RDW	13.9 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.4 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	11.0 *10^3 cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	11.6 *10^3 cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	2.78 *10^3 cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	~	No	No	~
Band count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	1.51 *10^3 cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	7.19 *10^3 cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.12 *10^3 cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV24-037366-S01)

Collection Date/Time	26/Nov/2024 08:40	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Jordan Butler
Anatomical Source/Tissue	Left saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	26/Nov/2024
Requested By	Carlos Sanchez
Analysis Start Date & Time	~
Analysis By	Shara Seals
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

E = HB

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
Glucose	68 mg/dL	Global sp RI: 58 - 128 88 [87] N=517 (56)	~	No	No	No
Creatinine	1.4 mg/dL	Global sp RI: 0.7 - 2.3 1.3 [1.3] N=483 (54)	~	No	No	No
BUN	13 mg/dL	Global sp RI: 4.0 - 18.0 10.1 [10.0] N=541 (59)	~	No	No	No
BUN/Creat ratio [c]	9.29 ratio (US)	Global sp RI: 4.0 - 13.5 8.0 [7.8] N=323 (36)	~	No	No	~
Phos	5.4 mg/dL	Global sp RI: 3.3 - 7.1 5.3 [5.3] N=468 (58)	~	No	No	No
Ca	9.7 mg/dL	Global sp RI: 8.4 - 11.8 10.1 [10.2] N=499 (55)	~	No	No	No
Mg	2.19 mg/dL	Global sp RI: 1.70 - 3.00 2.46 [2.43] N=169 (40)	~	No	No	No
Total Protein	7.8 g/dL	Global sp RI: 5.9 - 9.2 7.6 [7.6] N=569 (57)	~	No	No	No
Albumin unspecified	3.4 g/dL	Not calculated	~	~	~	No
Globulin	4.4 g/dL	Global sp RI: 2.7 - 5.8 4.3 [4.4] N=500 (48)	~	No	No	No
A:G ratio	0.8 ratio	Global sp RI: 0.4 - 1.3 0.8 [0.8] N=374 (32)	~	No	No	No
AST	13 U/L	Global sp RI: 7 - 41 21 [21] N=354 (51)	~	No	No	No
Alk. Phos.	238 U/L	Global sp RI: 36 - 312 129 [113] N=522 (57)	~	No	No	No
GGT	0 U/L	Global sp RI: 0 - 14 4 [3] N=455 (51)	~	No	No	No
Tot. Bili.	0.2 mg/dL	Global sp RI: 0.1 - 0.5 0.2 [0.2] N=482 (57)	~	No	No	No
Creatine Kinase	62 U/L	Global sp RI: 55 - 362 154 [135] N=333 (48)	~	No	No	No
LDH	743 U/L	Global sp RI: 221 - 1,579 702 [743] N=184 (29)	~	No	No	No
Na	132 mmol/L	Global sp RI: 123 - 138 130 [130] N=525 (58)	~	No	No	No
K	4.5 mmol/L	Global sp RI: 3.8 - 5.8 4.6 [4.6] N=521 (58)	~	No	No	No
Na:K ratio	30 ratio	Global sp RI: 21.7 - 34.0 28.4 [28.0] N=345 (29)	~	No	~	No
Chloride	90 mmol/L	Global sp RI: 83 - 99 91 [91] N=461 (47)	~	No	No	No
Osmolality	262 mOsmol/kg	Global sp RI: 248 - 275 261 [262] N=190 (16)	~	No	~	No

Sample Detail (GSN: S-HBV24-037365)

Collection Date/Time	26/Nov/2024 08:40	Collection Method	Phlebotomy
Sample Type	Serum	Collected By	Jordan Butler
Anatomical Source/Tissue	Left saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	~	Exclude from reference intervals	No

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Clinical note

Date	Time	Note Author
21/Nov/2024	00:00	Carlos Sanchez
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet
		<input checked="" type="checkbox"/> Gingival pocket
		<input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

NEHL results: 11/19/24 EDTA WB was negative for EEHV1, 4, and 5.

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

19/Nov/2024

Clinical note

Date	Time	Note Author
19/Nov/2024	00:00	Josie Rose
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet
		<input checked="" type="checkbox"/> Gingival pocket
		<input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

Proc: In house lab results: Weekly bloodwork results

WBC: 13,580 (Procyte), manual diff: 27% Het, 0% bands, 10% Lymphs, 62% Monos, 1% Eos, 0% Baso; Morph: Few hypersegmented heterophils, no toxic heterophils, few reactive lymphocytes, moderate monocyte activation
 Platelets 780,000 minimal clumping
 TP 8.2 g/dl, PCV 41% (both manual)
 Interp: Normal WBC and M:L ratio.

Blood submitted to NEHL for EEHV PCR testing
 Results pending

A: Clinically normal elephant with normal bloodwork
P: Continue once weekly CBC, EEHV PCR screening

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail

Collection Date/Time	19/Nov/2024 09:00
Sample Type	Whole Blood
Anatomical Source/Tissue	Right auricular vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Gilbert Gomez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
19/Nov/2024	~/~	Available	PORTLAND/24/24
19/Nov/2024	~/~	Available	NATELEHER/4/4

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	19/Nov/2024 09:00
Sample Type	Serum
Anatomical Source/Tissue	Right auricular vein
Collection Method	Phlebotomy
Collected By	Gilbert Gomez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
19/Nov/2024	~/~	Available	~/~/~

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail

Collection Date/Time	19/Nov/2024 09:00
Sample Type	Plasma
Anatomical Source/Tissue	Right auricular vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Gilbert Gomez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
19/Nov/2024	~/~	Available	PORTLAND/1/1

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Test Request Detail

Date Requested	19/Nov/2024
Requested By	Carlos Sanchez
Analysis Start Date & Time	~
Analysis By	Jordan Butler
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Notes/Comments

Cell morphology

Platelets:

Clumping: Minimal
Enlarged: 2+
Other: NONE

Erythrocytes:

nRBC: 1 nRBC between both smears
Anisocytosis: 2+
Polychromasia: NONE
Hypochromasia: NONE

Poikilocytosis:

Target cells: NONE
Schistocytes: NONE
Keratocytes: NONE
Spherocytes: NONE
Other: NONE

Leukocytes:

Heterophils:

Band heterophils # seen: NONE
Band precursor # seen: NONE
Hypersegmentation: FEW
Toxicity: NONE

Lymphocytes:

Reactivity: FEW
Enlarged: FEW
Granular cytoplasm: NONE
Nucleoli: NONE

Monocytes:

Activation: MOD
Enlarged: MOD
Vacuolated: MOD
Excessively vacuolated: FEW

Notes: FEW enlarged heterophils and 1-2 with minor degranulation

-Variation in monocytes today, some more enlarged and some were much darker than usual

Entered by: JB

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)

- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
HCT	41 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Heterophil % [m]	27 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	10 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	62 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	1.0 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	780,000		~	~	~	No
RBC [a]	3.05 *10^6 cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	32.8 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	13.4 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	107.5 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	43.93 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	~
MCHC [c]	40.85 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	~
RDW	13.9 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.4 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	11.6 *10^3 cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	13.58 *10^3 cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	3.67 *10^3 cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	~	No	No	~
Band count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	1.36 *10^3 cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	8.42 *10^3 cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.14 *10^3 cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV24-037333)

Collection Date/Time	19/Nov/2024 09:00	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Gilbert Gomez
Anatomical Source/Tissue	Right auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	19/Nov/2024
Requested By	Carlos Sanchez
Analysis Start Date & Time	~
Analysis By	Jordan Butler
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

e=jb

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
Total Protein (R)	8.2 g/dL	Global sp RI: 6.2 - 9.0 7.6 [7.6] N=1043 (18)	~	No	No	No

Sample Detail (GSN: S-HBV24-037333)

Collection Date/Time	19/Nov/2024 09:00	Collection Method	Phlebotomy
Sample Type	Plasma	Collected By	Gilbert Gomez
Anatomical Source/Tissue	Right auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	19/Nov/2024
Requested By	Carlos Sanchez
Laboratory	NATELEHER
Analysis Start Date	~
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

E=JB

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
EEHV 1A PCR	negative		~	~	~	No
EEHV 1B PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Sample Detail (GSN: S-HBV24-037333-S01)

Collection Date/Time	19/Nov/2024 09:00	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Gilbert Gomez
Anatomical Source/Tissue	Right auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

13/Nov/2024

Clinical note

Date	Time	Note Author
13/Nov/2024	00:00	Tina Batek
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

NEHL results: 11/12/24 EDTA WB was negative for EEHV1, 4, and 5.

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

12/Nov/2024

Clinical note

Date	Time	Note Author
12/Nov/2024	00:00	Josie Rose
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

Proc: In house lab results: Weekly bloodwork results

WBC: 10,930 (Procyte), manual diff: 23% Het, 0% bands, 18% Lymphs, 58% Monos, 1% Eos, 0% Baso; Morph: Few reactive lymphs and few activated monocytes
 Platelets 667,500 minimal clumping
 TP 8.2 g/dl, PCV 40% (both manual)
 Interp: Normal WBC and M:L ratio.

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Blood submitted to NEHL for EEHV PCR testing
Results pending

A: Clinically normal elephant with normal bloodwork
P: Continue once weekly CBC, EEHV PCR screening

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time 12/Nov/2024 09:00
Sample Type Serum
Anatomical Source/Tissue Left auricular vein
Collection Method Phlebotomy
Collected By Dimas Dominguez
Reason Recheck/Follow-up
Exclude from reference intervals No

Sample Quality

Color Straw
Color Intensity light
Clarity Clear
Additional Characteristics ~
Degraded No

Initial Holding Conditions

Initial Holding Temp. Ambient
Initial Holding Duration <= 10 hours

Pre-Sampling Conditions

Fasting Duration < 2 hours
Restraint Type Behavioral
Activity Low activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
12/Nov/2024	~/~	Available	PORTLAND/1/1

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time 12/Nov/2024 09:00
Sample Type Whole Blood
Anatomical Source/Tissue Left auricular vein
Additives/Preservatives EDTA
Collection Method Phlebotomy
Collected By Dimas Dominguez
Reason Recheck/Follow-up
Exclude from reference intervals No

Sample Quality

Additional Characteristics ~
Degraded No

Initial Holding Conditions

Initial Holding Temp. Ambient
Initial Holding Duration <= 10 hours

Pre-Sampling Conditions

Fasting Duration < 2 hours
Restraint Type Behavioral
Activity Low activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
12/Nov/2024	~/~	Available	PORTLAND/25/25
12/Nov/2024	~/~	Available	NATELEHER/4/4

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Test Request Detail

Date Requested	12/Nov/2024
Requested By	Carlos Sanchez
Laboratory	NATELEHER
Analysis Start Date	~
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

E = HB
Adjusted to remove EEHV 3. JB 11/25/24

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
EEHV 1A PCR	negative		~	~	~	No
EEHV 1B PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Sample Detail (GSN: S-HBV24-037295-S01)

Collection Date/Time	12/Nov/2024 09:00	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Left auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	12/Nov/2024
Requested By	Carlos Sanchez
Analysis Start Date & Time	12/Nov/2024 10:30
Analysis By	Rachel Wells
Analysis Equipment	IDEXX
Insufficient Sample	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Consistency	~
Additional Characteristics	~
Degraded	No

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Notes/Comments

Cell morphology

Platelets:

Clumping: 1+
Enlarged: 1+
Other: small clumps dispersed throughout the slide

Erythrocytes:

nRBC: 0
Anisocytosis: 1+
Polychromasia: 0
Hypochromasia: 0
(notes : normochromic)

Poikilocytosis:

Target cells: 1+
Schistocytes: 0
Keratocytes: 0
Spherocytes: 0
Other: 0

Leukocytes:

Heterophils:

Band heterophils # seen: 0 in 200 ct
Band precursor # seen: 0 in 200 ct
Hypersegmentation: none
Toxicity: none

Lymphocytes:

Reactivity: few
Enlarged: few
Granular cytoplasm: few (along cytoplasmic edge)
Nucleoli: none

Monocytes:

Activation: few
Enlarged: few
Vacuolated: few
Excessively vacuolated: none

Notes:

Entered by: RW

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)

- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Exclud. from RI	Clinical Finding	Reviewed
HCT	40 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Est. WBC count	11.0 *10 ³ cells/μL	Global sp RI: 4 - 23 12 [12] N=73 (14)	~	No	~	No
Heterophil % [m]	23 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	18 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	58 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	1 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	667,500		~	~	~	No
RBC [a]	3.09 *10 ⁶ cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	33.2 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	13.6 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	107.4 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	44.01 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	~
MCHC [c]	40.96 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	~
RDW	13.7 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.3 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	9.9 *10 ³ cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	10.93 *10 ³ cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	2.51 *10 ³ cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	~	No	No	~
Band count [c]	0.00 *10 ³ cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	1.97 *10 ³ cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	6.34 *10 ³ cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.11 *10 ³ cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10 ³ cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV24-037295)

Collection Date/Time	12/Nov/2024 09:00	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Left auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	12/Nov/2024
Requested By	Carlos Sanchez
Analysis Start Date & Time	12/Nov/2024 10:30
Analysis By	Rachel Wells
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

~

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
Total Protein (R)	8.2 g/dL	Global sp RI: 6.1 - 9.2 7.7 [7.8] N=241 (34)	~	No	No	No

Sample Detail (GSN: S-HBV24-037294)

Collection Date/Time	12/Nov/2024 09:00	Collection Method	Phlebotomy
Sample Type	Serum	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Left auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	~	Exclude from reference intervals	No

07/Nov/2024

Clinical note

Date	Time	Note Author
07/Nov/2024	00:00	Carlos Sanchez
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

NEHL results: 11/5/24 EDTA WB was negative for EEHV1, 4, and 5.

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

06/Nov/2024

Sample

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail

Collection Date/Time	06/Nov/2024 00:00
Sample Type	Wash/Lavage Fluid
Anatomical Source/Tissue	Elephant trunk
Collection Method	Wash/lavage
Collected By	Dimas Dominguez
Reason	Disease Monitoring
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light

Initial Holding Conditions

Initial Holding Temp.	Frozen
Initial Holding Duration	> 48 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
06/Nov/2024	~/~	Available	NVSL AMES/2/2

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Test Request Detail

Date Requested	06/Nov/2024
Requested By	Carlos Sanchez
Laboratory	NVSL AMES
Analysis Start Date	07/Nov/2024
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	~
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

Accession Number: 24-032868
 Results authorized by: Dr. Kimberly A Lehman, DVM, Director Diagnostic Bacteriology and Pathology Laboratory.
 Phone: 515-337-7526
 Email: NVSL-MB.caseManager@usda.gov

JB/KH

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
M. tb. complex PCR	negative		~	~	~	No
Mycobacterium cultur	No growth		~	~	~	~

Sample Detail (GSN: S-HBV24-037319)

Collection Date/Time	06/Nov/2024 00:00	Collection Method	Wash/lavage
Sample Type	Wash/Lavage Fluid	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Elephant trunk	Reason	Disease Monitoring
Additives/Preservatives	~	Exclude from reference intervals	No

05/Nov/2024

Clinical note

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Date	Time	Note Author
05/Nov/2024	00:00	Carlos Sanchez
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

Proc: In house lab results: Weekly bloodwork results

WBC: 13,340 (Procyte), manual diff: 20% Het, 0% bands, 13% Lymphs, 66% Monos, 1% Eos, 0% Baso; Morph: Few reactive lymphs.
 Platelets 791,250 minimal clumping
 TP 8.1 g/dl, PCV 40% (both manual)
 Interp: Normal WBC and M:L ratio.

Blood submitted to NEHL for EEHV PCR testing
 Results pending

A: Clinically normal elephant with normal bloodwork
 P: Continue once weekly CBC, EEHV PCR screening

Animal Care Staff Medical Summary

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	05/Nov/2024 08:44
Sample Type	Plasma
Anatomical Source/Tissue	Right saphenous vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
05/Nov/2024	~/~	Available	PORTLAND/1/1

Notes
~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail

Collection Date/Time	05/Nov/2024 08:44
Sample Type	Whole Blood
Anatomical Source/Tissue	Right saphenous vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
05/Nov/2024	~/~	Available	PORTLAND/24/24
05/Nov/2024	~/~	Available	NATELEHER/4/4

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	05/Nov/2024 08:44
Sample Type	Serum
Anatomical Source/Tissue	Right saphenous vein
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
05/Nov/2024	~/~	Available	NVSL AMES/1/1

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Request Detail

Date Requested	05/Nov/2024
Requested By	Carlos Sanchez
Analysis Start Date & Time	~
Analysis By	Heather Brittingham
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

Cell morphology

Platelets:
Clumping: Minimal
Enlarged: 1+
Other: 1+ elongated

Erythrocytes:
nRBC: NONE
Anisocytosis: 1-2+
Polychormasia: 1+
Hypochromasia: NONE

Poikilocytosis:
Target cells: 1+
Schistocytes: NONE
Keratocytes: NONE
Spherocytes: NONE
Other: NONE

Leukocytes:

Heterophils:
Band heterophils # seen: NONE
Band precursor # seen: NONE
Hypersegmentation: FEW
Toxicity: NONE

Lymphocytes:
Reactivity: MOD
Enlarged: FEW
Granular cytoplasm: FEW
Nucleoli: NONE

Monocytes:
Activation: MOD
Enlarged: FEW
Vacuolated: MOD
Excessively vacuolated: NONE

Notes: NONE

Entered by: JB

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)
- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
HCT	40 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Heterophil % [m]	20 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	13 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	66 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	1 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	791250		~	~	~	No
RBC [a]	3.06 *10^6 cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	33.5 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	13.2 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	109.5 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	43.14 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	~
MCHC [c]	39.40 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	~
RDW	13.8 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.4 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	10.7 *10^3 cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	13.34 *10^3 cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	2.67 *10^3 cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	~	No	No	~
Band count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	1.73 *10^3 cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	8.80 *10^3 cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.13 *10^3 cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV24-037259)

Collection Date/Time	05/Nov/2024 08:44	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Right saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	05/Nov/2024
Requested By	Carlos Sanchez
Laboratory	NATELEHER
Analysis Start Date	~
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

e=jb
Adjusted to remove EEHV 3. JB 11/25/24

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
EEHV 1A PCR	negative		~	~	~	No
EEHV 1B PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Sample Detail (GSN: S-HBV24-037259-S01)

Collection Date/Time	05/Nov/2024 08:44	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Right saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	05/Nov/2024
Requested By	Carlos Sanchez
Analysis Start Date & Time	~
Analysis By	Heather Brittingham
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

e=jb

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
Total Protein (R)	8.1 g/dL	Global sp RI: 6.2 - 9.0 7.6 [7.6] N=1043 (18)	~	No	No	No

Sample Detail (GSN: S-HBV24-037258)

Collection Date/Time	05/Nov/2024 08:44	Collection Method	Phlebotomy
Sample Type	Plasma	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Right saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	05/Nov/2024
Requested By	Carlos Sanchez
Laboratory	NVSL AMES
Analysis Start Date	07/Jan/2025
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

Accession Number: 24-032868
 Results authorized by: Dr. Kimberly A Lehman, DVM, Director Diagnostic Bacteriology and Pathology Laboratory.
 Phone: 515-337-7526
 Email: NVSL-MB.caseManager@usda.gov

KH

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
M Tb/bovis Ab IC	negative		~	~	~	No

Sample Detail (GSN: S-HBV24-037257)

Collection Date/Time	05/Nov/2024 08:44	Collection Method	Phlebotomy
Sample Type	Serum	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Right saphenous vein	Reason	Recheck/Follow-up
Additives/Preservatives	~	Exclude from reference intervals	No

04/Nov/2024

Clinical note

Date	Time	Note Author
04/Nov/2024	00:00	Carlos Sanchez
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: Medical Consultant Report

Notes/Comments

Consultant comment: Dr. Allison Woody reported the following after evaluating last set of radiographs: That bridge is great. The perfect response. I understand your nerves with potential longitudinal cracks starting. Making perpendicular cuts is an interesting idea and may work, you'd just have to see. There would be no problem trimming the tusk distal

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

to the bridge now, so that's an option as well.

A: Dentin bridge is adequate and concern of pulpitis developing is lesser now.
 P: Continue with radiographs of R tusk Q3 months
 Consider perpendicular grooves on the tusk to prevent the longitudinal cracks to extend

Animal Care Staff Medical Summary

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

01/Nov/2024

Sample

Sample Detail

Collection Date/Time	01/Nov/2024 00:00
Sample Type	Wash/Lavage Fluid
Anatomical Source/Tissue	Elephant trunk
Collection Method	Wash/lavage
Collected By	Dimas Dominguez
Reason	Disease Monitoring
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light

Initial Holding Conditions

Initial Holding Temp.	Frozen
Initial Holding Duration	> 48 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
01/Nov/2024	~/~	Available	NVSL AMES/2/2

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Test Request Detail

Date Requested	01/Nov/2024
Requested By	Carlos Sanchez
Laboratory	NVSL AMES
Analysis Start Date	07/Nov/2024
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	~
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

Accession Number: 24-032868
 Results authorized by: Dr. Kimberly A Lehman, DVM, Director Diagnostic Bacteriology and Pathology Laboratory.
 Phone: 515-337-7526
 Email: NVSL-MB.caseManager@usda.gov
 JB/KH

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
M. tb. complex PCR	negative		~	~	~	No
Mycobacterium cultur	No growth		~	~	~	~

Sample Detail (GSN: S-HBV24-037318)

Collection Date/Time	01/Nov/2024 00:00	Collection Method	Wash/lavage
Sample Type	Wash/Lavage Fluid	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Elephant trunk	Reason	Disease Monitoring
Additives/Preservatives	~	Exclude from reference intervals	No

31/Oct/2024

Clinical note

Date	Time	Note Author
31/Oct/2024	00:00	Gail Huckins
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

NEHL results: 10/29/24 EDTA WB was negative for EEHV1, 4, and 5.

Animal Care Staff Medical Summary

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	31/Oct/2024 00:00
Sample Type	Wash/Lavage Fluid
Anatomical Source/Tissue	Elephant trunk
Collection Method	Wash/lavage
Collected By	Dimas Dominguez
Reason	Disease Monitoring
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light

Initial Holding Conditions

Initial Holding Temp.	Frozen
Initial Holding Duration	> 48 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
31/Oct/2024	~/~	Available	NVSL AMES/2/2

Notes

~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Test Request Detail		Sample Quality	
Date Requested	31/Oct/2024	Color	Straw
Requested By	Carlos Sanchez	Color Intensity	light
Laboratory	NVSL AMES	Clarity	~
Analysis Start Date	07/Nov/2024	Consistency	~
Analysis Equipment	~	Additional Characteristics	~
Insufficient Sample	No	Degraded	No

Notes/Comments
 Accession Number: 24-032868
 Results authorized by: Dr. Kimberly A Lehman, DVM, Director Diagnostic Bacteriology and Pathology Laboratory.
 Phone: 515-337-7526
 Email: NVSL-MB.caseManager@usda.gov
 JB/KH

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
M. tb. complex PCR	negative		~	~	~	No
Mycobacterium cultur	No growth		~	~	~	~

Sample Detail (GSN: S-HBV24-037317)			
Collection Date/Time	31/Oct/2024 00:00	Collection Method	Wash/lavage
Sample Type	Wash/Lavage Fluid	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Elephant trunk	Reason	Disease Monitoring
Additives/Preservatives	~	Exclude from reference intervals	No

29/Oct/2024

Clinical note

Date	Time	Note Author
29/Oct/2024	00:00	Josie Rose
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General
Notes/Comments
 Proc: In house lab results: Weekly bloodwork results
 WBC: 13.14k (Procyte), manual diff: 26% Het, 0% bands, 13% Lymphs, 60% Monos, 1% Eos, 0% Baso; Morph: Fex toxic hets, Few reactive lymphs, few to mod activated monos.
 Platelets 930k, minimal clumping
 TP 7.8 g/dl, PCV 40% (both manual)
 Interp: Normal WBC and M:L ratio.
 Blood submitted to NEHL for EEHV PCR testing
 Results pending
A: Clinically normal elephant with normal bloodwork
P: Continue once weekly CBC, EEHV PCR screening

Animal Care Staff Medical Summary

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	29/Oct/2024 09:15
Sample Type	Plasma
Anatomical Source/Tissue	Left auricular vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
29/Oct/2024	~/~	Available	PORTLAND/1/1

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	29/Oct/2024 09:15
Sample Type	Serum
Anatomical Source/Tissue	Left auricular vein
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	~
Color Intensity	~
Clarity	~
Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
29/Oct/2024	~/~	Available	~/~/~

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail

Collection Date/Time	29/Oct/2024 09:15
Sample Type	Plasma
Anatomical Source/Tissue	Left auricular vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Ambient
Initial Holding Duration	<= 10 hours

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
29/Oct/2024	~/~	Available	~/~/~

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	29/Oct/2024 09:15
Sample Type	Whole Blood
Anatomical Source/Tissue	Left auricular vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Additional Characteristics	~
Degraded	No

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Low activity

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
29/Oct/2024	~/~	Available	PORTLAND/24/24
29/Oct/2024	~/~	Available	NATELEHER/4/4

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Request Detail

Date Requested	29/Oct/2024
Requested By	Josie Rose
Analysis Start Date & Time	~
Analysis By	Heather Brittingham
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

Cell morphology

Platelets:
Clumping: Minimal
Enlarged: 1+
Other:

Erythrocytes:
nRBC: 0
Anisocytosis: 2+
Polychormasia: 1+
Hypochromasia: none

Poikilocytosis:
Target cells: 1+
Schistocytes: none
Keratocytes: none
Spherocytes: none
Other:

Leukocytes:

Heterophils:
Band heterophils # seen: none
Band precursor # seen: none
Hypersegmentation: FEW
Toxicity: none

Lymphocytes:
Reactivity: FEW
Enlarged: FEW
Granular cytoplasm: none
Nucleoli: none

Monocytes:
Activation: MOD
Enlarged: FEW
Vacuolated: MOD
Excessively vacuolated: none

Notes: none

Entered by: JB

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)
- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
HCT	40 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Heterophil % [m]	26 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	13 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	60 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	1 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	930000		~	~	~	No
RBC [a]	3.08 *10^6 cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	33.3 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	13.2 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	108.1 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	42.86 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	~
MCHC [c]	39.64 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	~
RDW	13.7 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.5 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	High	No	~	No
Cor Retic count [a]	14.5 *10^3 cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	High	No	~	No
WBC	13.14 *10^3 cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	3.42 *10^3 cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	~	No	No	~
Band count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	1.71 *10^3 cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	7.88 *10^3 cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.13 *10^3 cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV24-037220)

Collection Date/Time	29/Oct/2024 09:15	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Left auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	29/Oct/2024
Requested By	Josie Rose
Laboratory	NATELEHER
Analysis Start Date	~
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

E = HB
Adjusted to remove EEHV 3. JB 11/25/24

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
EEHV 1A PCR	negative		~	~	~	No
EEHV 1B PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Sample Detail (GSN: S-HBV24-037220-S01)

Collection Date/Time	29/Oct/2024 09:15	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Left auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	29/Oct/2024
Requested By	Josie Rose
Analysis Start Date & Time	~
Analysis By	Heather Brittingham
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

e=jb

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Exclud. from RI	Clinical Finding	Reviewed
Total Protein (R)	7.8 g/dL	Global sp RI: 6.2 - 9.0 7.6 [7.6] N=1043 (18)	~	No	No	No

Sample Detail (GSN: S-HBV24-037223)

Collection Date/Time	29/Oct/2024 09:15	Collection Method	Phlebotomy
Sample Type	Plasma	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Left auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

27/Oct/2024

Clinical note

Date	Time	Note Author
27/Oct/2024	00:00	Gail Huckins
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

NEHL results: 10/22/24 EDTA WB was negative for EEHV1, 4, and 5.

Animal Care Staff Medical Summary

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

22/Oct/2024

Clinical note

Date	Time	Note Author
22/Oct/2024	00:00	Gail Huckins
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> CRACKED NAILS, Both rear feet <input checked="" type="checkbox"/> Gingival pocket <input checked="" type="checkbox"/> Pulpitis

Note Subtype: General

Notes/Comments

Proc: In house lab results: Weekly bloodwork results

WBC: 12.61k (Procyte), manual diff: 22% Het, 0% bands, 11% Lymphs, 66% Monos, 1% Eos, 0% Baso; Morph: Fex toxic hets, Few reactive lymphs, few to mod activated monos.
 Platelets 630k, minimal clumping
 TP 8.0 g/dl, PCV 38% (both manual)
 Interp: Normal WBC and M:L ratio.

Blood submitted to NEHL for EEHV PCR testing
 Results pending

A: Clinically normal elephant with normal bloodwork
 P: Continue once weekly CBC, EEHV PCR screening

Animal Care Staff Medical Summary

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	22/Oct/2024 08:30
Sample Type	Plasma
Anatomical Source/Tissue	Right auricular vein
Additives/Preservatives	~
Collection Method	Phlebotomy
Collected By	Gilbert Gomez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
22/Oct/2024	~/~	Available	PORTLAND/1/1

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	22/Oct/2024 08:30
Sample Type	Whole Blood
Anatomical Source/Tissue	Right auricular vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Gilbert Gomez
Reason	Recheck/Follow-up
Exclude from reference intervals	No

Sample Quality

Additional Characteristics	~
Degraded	No

Pre-Sampling Conditions

Fasting Duration	< 2 hours
Restraint Type	Behavioral
Activity	Moderate activity

Initial Holding Conditions

Initial Holding Temp.	Chilled/Refrigerated
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
22/Oct/2024	~/~	Available	NATELEHER/4/4
22/Oct/2024	~/~	Available	PORTLAND/24/24

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test & Result

Test Request Detail

Date Requested	22/Oct/2024
Requested By	Gail Huckins
Analysis Start Date & Time	~
Analysis By	Heather Brittingham
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

Cell morphology

Platelets:

Clumping: minimal
Enlarged: 1+
Other: /

Erythrocytes:

nRBC: 2 seen
Anisocytosis: 1+
Polychormasia: 1+
Hypochromasia: /

Poikilocytosis:

Target cells: 1+
Schistocytes: /
Keratocytes: /
Spherocytes: /
Other:

Leukocytes:

Heterophils:

Band heterophils # seen: none
Band precursor # seen: none
Hypersegmentation: few
Toxicity: few 1+

Lymphocytes:

Reactivity: few
Enlarged: few
Granular cytoplasm: none
Nucleoli: none

Monocytes:

Activation: mod
Enlarged: mod
Vacuolated: mod
Excessively vacuolated: few

Notes:

Entered by: HB

Grading Scale:

- 1+ (1-2/hpf)
- 2+ (3-9/hpf)
- 3+ (10-20/hpf)
- 4+ (>20/hpf)

- Few (1-5% of that cell line)
- Moderate or Mod (5-15% of that cell line)
- Many (>14% of that cell line)

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
HCT	38 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Heterophil % [m]	22 %	Global sp RI: 13.1 - 46.0 26.1 [24.5] N=965 (20)	~	No	No	No
Band % [m]	0 %	Global sp RI: 0.0 - 2.0 0.2 [0.0] N=330 (23)	~	No	No	No
Lymphocyte % [m]	11 %	Global sp RI: 2.0 - 31.0 14.6 [14.0] N=1167 (32)	~	No	No	No
Monocyte % [m]	66 %	Global sp RI: 31.0 - 74.0 56.9 [58.0] N=1229 (35)	~	No	No	No
Eosinophil % [m]	1 %	Global sp RI: 0.0 - 4.3 1.6 [1.5] N=1054 (32)	~	No	No	No
Basophil % [m]	0 %	Global sp RI: 0.0 - 1.0 0.2 [0.0] N=638 (29)	~	No	No	No
Est. Platelets	630,000		~	~	~	No
RBC [a]	2.94 *10^6 cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	31.7 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	12.6 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	107.8 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	42.86 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	~
MCHC [c]	39.75 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	~
RDW	13.8 %	Global sp RI: 13.1 - 17.1 14.6 [14.2] N=1269 (31)	~	No	~	No
Cor Retic % [a]	0.3 %	Global sp RI: 0.0 - 0.4 0.3 [0.3] N=84 (3)	~	No	~	No
Cor Retic count [a]	9.7 *10^3 cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	12.61 *10^3 cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	2.77 *10^3 cells/μL	Global sp RI: 1.749 - 6.328 3.603 [3.488] N=710 (15)	~	No	No	~
Band count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.458 0.043 [0.000] N=125 (11)	~	No	~	~
Lymphocyte count [c]	1.39 *10^3 cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	8.32 *10^3 cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.13 *10^3 cells/μL	Global sp RI: 0.000 - 0.705 0.243 [0.204] N=868 (28)	~	No	~	~
Basophil count [c]	0.00 *10^3 cells/μL	Global sp RI: 0.000 - 0.199 0.033 [0.000] N=481 (24)	~	No	~	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Sample Detail (GSN: S-HBV24-037167-S01)

Collection Date/Time	22/Oct/2024 08:30	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Gilbert Gomez
Anatomical Source/Tissue	Right auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	22/Oct/2024
Requested By	Gail Huckins
Laboratory	NATELEHER
Analysis Start Date	~
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

E = HB

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl. from RI	Clinical Finding	Reviewed
EEHV-1 PCR	negative		~	~	~	No
EEHV 3 PCR	negative		~	~	~	No
EEHV 4 PCR	negative		~	~	~	No
EEHV 5 PCR	negative		~	~	~	No

Sample Detail (GSN: S-HBV24-037167)

Collection Date/Time	22/Oct/2024 08:30	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Gilbert Gomez
Anatomical Source/Tissue	Right auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	EDTA	Exclude from reference intervals	No

Test & Result

Test Request Detail

Date Requested	22/Oct/2024
Requested By	Gail Huckins
Analysis Start Date & Time	~
Analysis By	Jordan Butler
Analysis Equipment	~
Insufficient Sample	No

Sample Quality

Color	Straw
Color Intensity	light
Clarity	Clear
Consistency	~
Additional Characteristics	~
Degraded	No

Notes/Comments

E = HB

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823881	A80122 / Samudra	Elephas maximus/Asian elephant	Male	23/Aug/2008

Test Requests & Test Results

Test	Primary Result	Expected Results (Based on Best Available Match) Type: Min- Max Mean [Median] N (Animals)	Evaluation	Excl'd. from RI	Clinical Finding	Reviewed
Total Protein (R)	8.0 g/dL	Global sp RI: 6.2 - 9.0 7.6 [7.6] N=1043 (18)	~	No	No	No

Sample Detail (GSN: S-HBV24-037166)

Collection Date/Time	22/Oct/2024 08:30	Collection Method	Phlebotomy
Sample Type	Plasma	Collected By	Gilbert Gomez
Anatomical Source/Tissue	Right auricular vein	Reason	Recheck/Follow-up
Additives/Preservatives	~	Exclude from reference intervals	No