

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	5461746	B80043 / Samson	Elephas maximus/Asian elephant	Male	04/May/1998

03/Mar/2025

Sample

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: 25.6
 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'd. 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

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	5461746	B80043 / Samson	Elephas maximus/Asian elephant	Male	04/May/1998

Sample Detail (GSN: S-HBV25-037696)

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

05/Feb/2025

Clinical note

Date	Time	Note Author
05/Feb/2025	00:00	Tina Batek
Significant	Private	Active Problems
No	No	~

Note Subtype: General

Notes/Comments

Proc: Elephant Foot Radiographs

History: Apparently healthy adult male. PMP performed 23Jan2025. Normal bloodwork 28Jan2025.

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
 - Settings:** 90 Kvp, 0.30s
 - Right hindfoot:** Plantaroproximal-dorsodistal oblique view (1)
 - Left hindfoot:** Plantaroproximal-dorsodistal view (2)
 - 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. Feet were not cleaned from debris.
 - 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 (2)
 - Left forefoot:** Dorsoproximal-palmarodistal oblique view (2)
 - 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. Feet were not cleaned from debris.

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

Plan: Submit images for radiologist review. Continue with yearly radiograph screening (foot should be cleaned prior to imaging to remove debris). Keepers to continue routine foot management.

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	~

Note Subtype: General

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	5461746	B80043 / Samson	Elephas maximus/Asian elephant	Male	04/May/1998

Notes/Comments

In-house bloodwork (CBC/Chem/Fibrinogen)

CBC:

Hct/TP: 37%/ 8.4 g/dL (manual/refractometer)

Fibrinogen: 400 mg/dL

WBC: 10,580 (Procyte) Manual diff: 24% Het, 0% bands, 13% Lymphs, 60% Monos, 3% Eos, 0% Baso; Morp: few reactive lymphs, few activated monos

Platelets Minimal clumping:963,750

Interp: Normal Hct, fibrinogen, and WBC for this elephant with normal M:L

CP: Gluc 72 mg/dL, BUN 11 mg/dL, Creat 1.5 mg/dL, Ca 9.7 g/dL, Phos 4.9 mg/dL, Mg 2.36mg/dL, Alb 3.6 g/dL, Glob 4.3 g/dl; TP (Catalyst): 8.0 g/dL, AST 22 U/L, ALKP 100 U/L, GGT 2 U/L, TBIL 0.3 mg/dL, CK 109 U/L, LDH 560 U/L, Na 131 mmol/L, K 4.3 mmol/L, Cl 90 mmol/L

Interp: Consistent with Zims RIs and previous values in this elephant

Assessment: Healthy elephant

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	28/Jan/2025 09:00
Sample Type	Plasma
Anatomical Source/Tissue	Right saphenous vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Heather Brittingham
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.	Ambient
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
28/Jan/2025	~/~	Available	PORTLAND/2/2

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	28/Jan/2025 09:00
Sample Type	Whole Blood
Anatomical Source/Tissue	Right saphenous vein
Additives/Preservatives	EDTA
Collection Method	Phlebotomy
Collected By	Heather Brittingham
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

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	5461746	B80043 / Samson	Elephas maximus/Asian elephant	Male	04/May/1998

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
28/Jan/2025	~/~	Available	PORTLAND/25/25
28/Jan/2025	~/~	Available	~/~/~

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

Collection Date/Time	28/Jan/2025 09:00
Sample Type	Serum
Anatomical Source/Tissue	Right saphenous vein
Collection Method	Phlebotomy
Collected By	Heather Brittingham
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.	Ambient
Initial Holding Duration	<= 10 hours

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
28/Jan/2025	~/~	Available	PORTLAND/22/22

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Test Request Detail

Date Requested	28/Jan/2025
Requested By	Tina Batek
Analysis Start Date & Time	28/Jan/2025 09:24
Analysis By	Heather Brittingham
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	5461746	B80043 / Samson	Elephas maximus/Asian elephant	Male	04/May/1998

Notes/Comments

Cell morphology

Platelets:

Clumping: minimal (avg 64.25/hpf)
Enlarged: 1+
Other:

Erythrocytes:

nRBC: 0
Anisocytosis: 2+
Polychromasia: 1+
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: none
Toxicity: none

Lymphocytes:

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

Monocytes:

Activation: few
Enlarged: none
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	5461746	B80043 / Samson	Elephas maximus/Asian elephant	Male	04/May/1998

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	37 %	Global sp RI: 28.0 - 44.0 34.6 [34.0] N=1275 (44)	~	No	No	No
Est. WBC count	10.58 *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]	60 %	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	963,750		~	~	~	No
RBC [a]	2.78 *10 ⁶ cells/μL	Global sp RI: 2.29 - 3.50 2.83 [2.81] N=1637 (64)	~	No	No	No
HCT [a]	29.6 %	Global sp RI: 24.8 - 40.9 31.6 [31.2] N=1611 (55)	~	No	No	No
HGB [a]	11.4 g/dL	Global sp RI: 9.6 - 15.4 12.0 [11.9] N=1694 (64)	~	No	No	No
MCV	106.5 fL	Global sp RI: 100.1 - 127.0 111.0 [109.9] N=1572 (56)	~	No	No	No
MCH [c]	41.01 pg	Global sp RI: 39.8 - 47.5 43.8 [43.8] N=131 (11)	~	No	No	~
MCHC [c]	38.51 g/dL	Global sp RI: 33.2 - 43.8 39.5 [39.9] N=121 (8)	~	No	No	~
RDW	13.3 %	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]	5.6 *10 ³ cells/μL	Global sp RI: 1.023 - 13.688 8.225 [8.650] N=96 (6)	~	No	~	No
WBC	10.58 *10 ³ cells/μL	Global sp RI: 6.3 - 21.7 14.1 [14.1] N=2370 (64)	~	No	No	No
Heterophil count [c]	2.54 *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]	1.38 *10 ³ cells/μL	Global sp RI: 0.494 - 4.764 2.098 [1.922] N=972 (23)	~	No	~	~
Monocyte count [c]	6.35 *10 ³ cells/μL	Global sp RI: 0.710 - 13.694 7.608 [7.725] N=1049 (29)	~	No	~	~
Eosinophil count [c]	0.32 *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	5461746	B80043 / Samson	Elephas maximus/Asian elephant	Male	04/May/1998

Sample Detail (GSN: S-HBV25-037577)

Collection Date/Time	28/Jan/2025 09:00	Collection Method	Phlebotomy
Sample Type	Whole Blood	Collected By	Heather Brittingham
Anatomical Source/Tissue	Right saphenous vein	Reason	Routine
Additives/Preservatives	EDTA	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 09:25
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

Fibrinogen 4.0 g/dL
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)	8.4 g/dL	Global sp RI: 6.2 - 9.0 7.6 [7.6] N=1043 (18)	~	No	No	No
Fibrinogen	400 mg/dL	Global sp RI: 200 - 810 382 [400] N=657 (24)	~	No	No	No

Sample Detail (GSN: S-HBV25-037575)

Collection Date/Time	28/Jan/2025 09:00	Collection Method	Phlebotomy
Sample Type	Plasma	Collected By	Heather Brittingham
Anatomical Source/Tissue	Right saphenous vein	Reason	Routine
Additives/Preservatives	EDTA	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 09:55
Analysis By	Heather Brittingham
Analysis Equipment	IDEXX
Insufficient Sample	No

Sample Quality

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

Notes/Comments

E = RW

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	5461746	B80043 / Samson	Elephas maximus/Asian elephant	Male	04/May/1998

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
Glucose	72 mg/dL	Global sp RI: 58 - 128 88 [87] N=517 (56)	~	No	No	No
Creatinine	1.5 mg/dL	Global sp RI: 0.7 - 2.3 1.3 [1.3] N=483 (54)	~	No	No	No
BUN	11 mg/dL	Global sp RI: 4.0 - 18.0 10.1 [10.0] N=541 (59)	~	No	No	No
BUN/Creat ratio [c]	7.33 ratio (US)	Global sp RI: 4.0 - 13.5 8.0 [7.8] N=323 (36)	~	No	No	~
Phos	4.9 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	2.36 mg/dL	Global sp RI: 1.70 - 3.00 2.46 [2.43] N=169 (40)	~	No	No	No
Total Protein	8.0 g/dL	Global sp RI: 5.9 - 9.2 7.6 [7.6] N=569 (57)	~	No	No	No
Albumin unspecified	3.6 g/dL	Not calculated	~	~	~	No
Globulin	4.3 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	22 U/L	Global sp RI: 7 - 41 21 [21] N=354 (51)	~	No	No	No
Alk. Phos.	100 U/L	Global sp RI: 36 - 312 129 [113] N=522 (57)	~	No	No	No
GGT	2 U/L	Global sp RI: 0 - 14 4 [3] N=455 (51)	~	No	No	No
Tot. Bili.	0.3 mg/dL	Global sp RI: 0.1 - 0.5 0.2 [0.2] N=482 (57)	~	No	No	No
Creatine Kinase	109 U/L	Global sp RI: 55 - 362 154 [135] N=333 (48)	~	No	No	No
LDH	560 U/L	Global sp RI: 221 - 1,579 702 [743] N=184 (29)	~	No	No	No
Na	131 mmol/L	Global sp RI: 123 - 138 130 [130] N=525 (58)	~	No	No	No
K	4.3 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	259 mOsmol/kg	Global sp RI: 248 - 275 261 [262] N=190 (16)	~	No	~	No

Sample Detail (GSN: S-HBV25-037576)

Collection Date/Time	28/Jan/2025 09:00	Collection Method	Phlebotomy
Sample Type	Serum	Collected By	Heather Brittingham
Anatomical Source/Tissue	Right saphenous vein	Reason	Routine
Additives/Preservatives	~	Exclude from reference intervals	No

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	5461746	B80043 / Samson	Elephas maximus/Asian elephant	Male	04/May/1998

Clinical note

Date	Time	Note Author
23/Jan/2025	00:00	Tina Batek
Significant	Private	Active Problems
No	No	~

Note Subtype: General

Notes/Comments

PROCEDURE: Routine PMP exam

Hx: Current weight is 4495 kg (9889 pounds). 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.

O:
RESTRAINT: Behavioral restraint

EXAM:
 Weight: 4495 kg (16Jan2025)
 BCS: 5/9
 MM: pink, moist
 Gen: BAR, cooperative with keeper and vet staff
 EENT: Anterior chamber clear OU, lens WNL OU; Ears: no discharge AU; Nares/Trunk: skin clear of lesions, no discharge. Tusks appear normal and symmetric with blunted tip; no cracks
 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; superficial vertical cracks in nail of D4 in rear legs bilaterally (no cuticle involvement)
 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: Apparently healthy adult male
P: Continue PMP schedule. Radiographs and routine blood work schedule for later this month (CBC, Chem, CZE, SAA, Haptoglobin, Serum vitamin E)

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

10/Jan/2025

Clinical note

Date	Time	Note Author
10/Jan/2025	00:00	Carlos Sanchez
Significant	Private	Active Problems
No	No	~

Note Subtype: General

Notes/Comments

NVSL results for November 2024

S/O: NVSL report: Tuberculosis (Mycobacterium sp. TB Complex) - DPP (Nov 2024): **Positive**,

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Ttrunk washes from November (3x): No isolation made on culture or PCR of trunk washes.

A: DPP Positive and negative PCR on trunk washes; however based on recent publication (Miller et al JZWM 55(4) 1082-1087 2024 - SEROCONVERSION CAN PRECEDE CULTURE CONFIRMED DIAGNOSIS OF MYCOBACTERIUM TUBERCULOSIS INFECTION IN ASIAN ELEPHANTS (ELEPHAS MAXIMUS) BY DECADES) there is a strong possibility this elephant will be positive at some point in the future.

P: Cont. with routine sampling for TB screening as it is now and do not decrease testing frequency

Animal Care Staff Medical Summary

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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

06/Nov/2024

Sample

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

samples collected for 3 consecutive days 10/31 - 11/2/24

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

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	5461746	B80043 / Samson	Elephas maximus/Asian elephant	Male	04/May/1998

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-HBV24-037320)

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

Sample

Sample Detail

Collection Date/Time	05/Nov/2024 00:00
Sample Type	Serum
Anatomical Source/Tissue	Auricular vein(not specified)
Collection Method	Phlebotomy
Collected By	Dimas Dominguez
Reason	Preventative Health
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.	Frozen
Initial Holding Duration	> 48 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

Test Request Detail

Date Requested	05/Nov/2024
Requested By	Carlos Sanchez
Laboratory	NVSL AMES
Analysis Start Date	07/Nov/2024
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

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	5461746	B80043 / Samson	Elephas maximus/Asian elephant	Male	04/May/1998

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	positive		~	~	~	No

Sample Detail (GSN: S-HBV24-037326)

Collection Date/Time	05/Nov/2024 00:00	Collection Method	Phlebotomy
Sample Type	Serum	Collected By	Dimas Dominguez
Anatomical Source/Tissue	Auricular vein(not specified)	Reason	Preventative Health
Additives/Preservatives	~	Exclude from reference intervals	No

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

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	5461746	B80043 / Samson	Elephas maximus/Asian elephant	Male	04/May/1998

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-HBV24-037321)

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

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

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

Test Request Detail

Date Requested	31/Oct/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

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	5461746	B80043 / Samson	Elephas maximus/Asian elephant	Male	04/May/1998

Notes/Comments

18 Nov 24 - Culture results still pending. JB

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

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-HBV24-037322)

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