

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823880	1963 / Sung-Surin	Elephas maximus/Asian elephant	Female	26/Dec/1982

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: 27.5
Date tested: 03/06/2025
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	o vge/rxn	Not calculated	~	~	~	No
EEHV 4 qPCR	o vge/rxn	Not calculated	~	~	~	No
EEHV 5 qPCR	o vge/rxn	Not calculated	~	~	~	No

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823880	1963 / Sung-Surin	Elephas maximus/Asian elephant	Female	26/Dec/1982

Sample Detail (GSN: S-HBV25-037697)

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

06/Feb/2025

Clinical note

Date	Time	Note Author
06/Feb/2025	00:00	Tina Batek
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> AB - abscess, Right front foot <input checked="" type="checkbox"/> DJD <input checked="" type="checkbox"/> Traumatic amputation, DISTAL TAIL <input checked="" type="checkbox"/> Valgus deformity <>, Right carpus

Note Subtype: General

Notes/Comments

Proc: Elephant Foot Radiographs

History: 42-yo female elephant. PMP performed 22Jan2025- chronic RFD4 subungual abscess, otherwise apparently healthy.

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. 3 in 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 (2)
 - Left hindfoot:** Plantaroproximal-dorsodistal view (3)
 - Other notes: Tripod legs about 1/2 extended. Collimator positioned by CAB 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. Views with emphasis on D4.
 - 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 (3)
 - Left forefoot:** Dorsoproximal-palmarodistal oblique view (2)
 - Other notes: Tripod legs about 1/2 extended. Collimator was positioned by CAB 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 new 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
~	~	~	~

22/Jan/2025

Clinical note

Date	Time	Note Author
22/Jan/2025	00:00	Tina Batek
Significant	Private	Active Problems
No	No	<input checked="" type="checkbox"/> AB - abscess, Right front foot <input checked="" type="checkbox"/> DJD

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823880	1963 / Sung-Surin	Elephas maximus/Asian elephant	Female	26/Dec/1982

- Traumatic amputation, DISTAL TAIL
- Valgus deformity <>, Right carpus

Note Subtype: General

Notes/Comments

PROCEDURE: Routine PMP exam

Hx: This animal has a history of chronic RFD4 subungual abscess that is also affecting P2. The abscess is routinely cleaned by care staff who report no changes in appearance to the abscess. There was an episode of front limb stiffness with associated right shoulder soft tissue swelling in July 2024 - resolved in Sept 2024 after treatment with NSAIDs, hydrotherapy, and cold laser therapy. Animal also had a traumatic tail amputation in Aug 2022 that has healed well. Most recent repro exam from Nov 2022 concluded this animal is a poor reproductive candidate. Current weight is 3488 kg (7674 pounds). Nutritionist JDA assessed this animal at BCS of 6/9 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: 3488 kg (16Jan2025)
 BCS: 6/9
 MM: pink, moist
 Gen: BAR, cooperative with keeper and vet staff
 EENT: Anterior chamber clear OU, lens WNL OU; Ears: patent canals with no discharge AU; Nares/Trunk: Clear with no malodor or discharge
 Oral cavity: No erosions, ulcerations, masses, petechiae noted
 Dental exam: No lesions of maxillary molars; unable to visualize entirety of 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; no cracks in front and hind foot nails. Static appearance of right front D4 subungual abscess
 MSK: Well muscled; normal ROM of all joints during stretching and limb flexion for foot inspection
 GI: No bloating present
 UG: Full vulvar exam not performed, no discharge noted
 Rectal: Not performed
 Neuro: Appropriate mentation

A: Chronic RFD4 subungual abscess - static; Otherwise apparently healthy
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
~	~	~	~

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	~
Color Intensity	~

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823880	1963 / Sung-Surin	Elephas maximus/Asian elephant	Female	26/Dec/1982

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

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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 ~
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

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-HBV24-037313)

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

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823880	1963 / Sung-Surin	Elephas maximus/Asian elephant	Female	26/Dec/1982

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

Initial Holding Conditions

Initial Holding Temp.	Frozen
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
05/Nov/2024	~/~	Available	NVSL AMES/1/1

Notes
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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/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-HBV24-037324)

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

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823880	1963 / Sung-Surin	Elephas maximus/Asian elephant	Female	26/Dec/1982

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	~
Color Intensity	~

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

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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	~
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.
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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-HBV24-037312)

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

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29823880	1963 / Sung-Surin	Elephas maximus/Asian elephant	Female	26/Dec/1982

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	~
Color Intensity	~

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

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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	~
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
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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-HBV24-037311)

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