

Instructions for Elephant Endotheliotropic Herpesvirus (EEHV) Sample Submission 2006

Please submit all samples on plenty of dry ice in a sealed styrofoam container.

- For a sick elephant with suspected active EEHV infection, please send at least 1-2 ml of whole blood (EDTA, lavender top tube). It is best to transfer the blood to a freezer-safe tube (not glass) after thoroughly mixing with EDTA. We have received broken glass tubes in the past.
- We can test any tissue for EEHV from deceased elephants, but it must be frozen (preferably in liquid nitrogen or dry ice, or store in a -70 C freezer). Heart, liver and spleen are the best organs to test for EEHV.
- We would like to test placenta from all newborn/stillborn/aborted elephants. Please freeze a 1 inch³ piece (preferably in liquid nitrogen or dry ice, or store in a -70 C freezer).
- For EEHV titers, please send at least 2 mls of serum (preferably more). Freeze immediately and send on dry ice.
- Please include all pertinent elephant information (including history) on the following three forms.
- The best day to ship (FedEx) would be Wednesday for a Thursday arrival. Please call Erin or Laura before shipping samples:

Erin Latimer: 202-633-4252 (W)
703-471-2168 (H)
latimere@si.edu

OR

Laura Richman 301-398-4741 (W)
301-253-8723 (H)
RichmanL@MedImmune.com or richmanl@comcast.net

FedEx to:

**Erin Latimer/Laura Richman
Smithsonian, National Zoological Park
Department of Pathology
3001 Connecticut Ave. NW
Washington, DC 20008
(202) 633-4252**

Consent Form for EEHV Testing

Department of Pathology
Smithsonian National Zoo
3001 Connecticut Ave. NW
Washington, DC 20008
(202) 633-4252

I give consent for the results of Elephant Endothelial Herpes Virus (EEHV) testing to be used by the Species Survival Plan (SSP) and the National EEHV Laboratory to make recommendations on any elephant related issues (including, but not limited to, recommendations on relocations and breeding).

The results that could be reviewed and used by the SSP and the National EEHV Lab include Polymerase Chain Reaction (PCR), Enzyme-Linked Immunosorbent Assay (ELISA), and DNA sequencing of the EEHV virus.

I understand that all results and recommendations will be kept confidential.

_____ Yes, I agree to allow the SSP and the National EEHV Lab to use our testing results.

_____ No, I do not consent to the use of our testing results.

Signature, title

Date

Printed name

Phone number

Institution

Email address

Address

Elephant History for Elephant Endotheliotropic Herpesvirus (EEHV) Testing

Department of Pathology
Smithsonian National Zoo
3001 Connecticut Ave, NW
Washington, DC 20008
202-633-4252
FAX: 202 673-4660

Please fill out this form when submitting samples to the lab for EEHV testing for the first time. There is no charge for the testing, but we do ask for some information for our studies. Please send this history with the samples and the "Request for EEHV Testing" form. Use additional pages, if necessary.

1. Please list all elephants currently at your facility. Please include name, ISIS number, sex, age, breeding history, and move history.

2. Have there been any EEHV cases at your facility? When? Which elephants had direct or indirect contact with the EEHV case? Is there anything that you feel may have contributed to the case (for example, but not limited to: recent move, new source of stress on an elephant, elephant arrival that you think is the source of the EEHV, etc)?

3. Did any of your elephants have direct/indirect contact with a documented EEHV case prior to coming to your facility?

4. Have there been any unexplained illnesses in any herd member in the past? What were the clinical findings?

5. What is the purpose for EEHV testing today (circle all that apply)?

- a. concern about active EEHV illness (viremia)-whole blood PCR requested
- b. upcoming move-ELISA requested
- c. suspicious skin, oral or genital lesion-PCR requested
- d. curious about EEHV titer-either current titer or longitudinal study requested

6. Name/title/email address/telephone number of person filling out history?

7. Institution Name/Address?