



## Live animals

Samples should be taken in accordance with national legislation.

**Whole blood** (max 5 ml), in plastic EDTA or PAXgene blood collection tubes. Invert 15 times to mix.

Or

**Tissue** (max 1 cubic centimeter) from e.g. skin, muscle, or umbilical cord. Placed in a plastic tube (2ml screw cap) containing 70% ethanol or frozen in a plastic bag.

**Do not use formalin or methylated alcohol.**

**Serum** (1-10 ml) in plastic tubes. Must be spun and separated. **Should only be provided if it is accompanied by a blood or tissue sample.**

## Dead animals

Samples should be taken in accordance with national legislation.

**Tissue** (max 1 cubic centimeter) from internal organ, skin or muscle. Placed in a plastic tube (2ml screw cap) containing 70% ethanol or frozen in a plastic bag.

**Do not use formalin or methylated alcohol.**

**Serum** (1-10 ml) in plastic tubes. Must be spun and separated. **Should only be provided if it is accompanied by a tissue sample.**

## CITES

Samples from some species will require CITES permits.



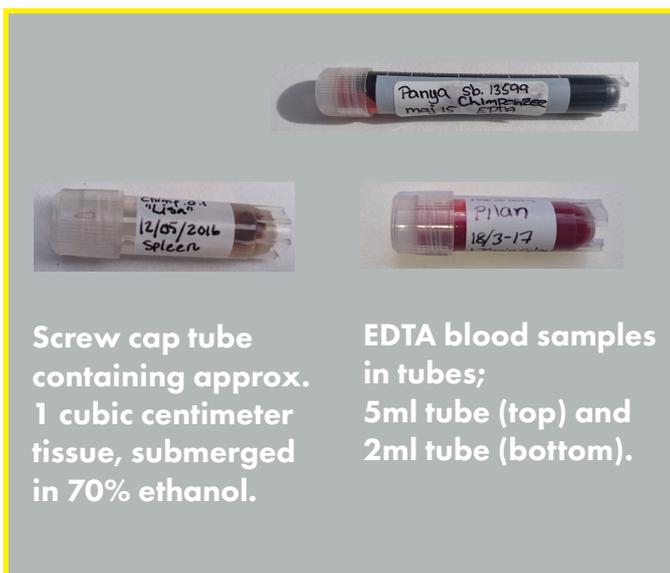
**Within EU**, according to CITES regulations there is no need for CITES export and import permits.\*

**Outside EU**, then CITES export permits must be applied for at the national CITES office. **Remember to apply for CITES export permits in due time before sending the samples.**

**CITES exemption** is possible for scientific institutions (see article VII, §6 of the CITES convention). Your institution may apply. All four EAZA Biobank hubs have the CITES exemption.

When CITES export permits are obtained, please send a scanned copy to the contact person of the receiving Biobank hub, who will proceed to obtain CITES import permits.

\* Exemptions may apply.



**Screw cap tube** containing approx. 1 cubic centimeter tissue, submerged in 70% ethanol.

**EDTA blood samples** in tubes; 5ml tube (top) and 2ml tube (bottom).



## Labeling

Label the sample with **animal identifiers** (transponder, ring, GAN or local ID), **species name**, **tissue type** and **date** when sample was taken.

Enclose the animal's ZIMS specimen report and contact details of sender, **otherwise your sample will not be processed.**

If you do not have a ZIMS report, then please include typed identification, species name, date of sampling and institution.

## Storage

If you cannot ship the samples within 12 hours, then store them in the freezer until shipment is possible. Please ship the samples as soon as possible and please avoid arrival at the hub on a weekend.

## Packaging

- 1 Primary package**  
The samples in tubes



- 2 Secondary package**  
Plastic container or bag for the samples with enough material within to absorb the total sample content.



- 3 Tertiary package**  
Reinforced envelope or cardboard box with ZIMS specimen report. Enclose an icepack in the envelope or box if the tissue samples are frozen.



## Shipping

The package should be labeled on the outside with the diamond 'UN3373' logo and the text "Exempt animal specimen" and "**refrigerate upon arrival**".

The 'UN3373' label can be provided by one of the biobank hubs.



If you would like to send us your samples then please send them to the biobank hub relevant for your country.



Shipping country: **UK, Ireland, Qatar, UAE, Kuwait**

## Edinburgh hub

ATT: **Dr. Helen Senn**  
Address: Royal Zoological Society of Scotland  
WildGenes Laboratory  
134 Corstorphine Road  
Edinburgh EH12 6TS, UK  
E-mail: [HSenn@rzss.org.uk](mailto:HSenn@rzss.org.uk)



**Leibniz Institute for Zoo  
and Wildlife Research**  
IN THE FORSCHUNGSVERBUND BERLIN E.V.

Shipping country: **Germany, Austria, Croatia, Czech Republic, Hungary, Poland, Russia, Slovakia, Slovenia, Switzerland, Ukraine**

## Berlin hub

ATT: **Dr. Jörns Fickel**  
Address: Department of Evolutionary Genetics  
Leibniz Institute for Zoo and Wildlife Research (IZW)  
Alfred-Kowalke Strasse 17  
10315 Berlin, Germany  
E-mail: [fickel@izw-berlin.de](mailto:fickel@izw-berlin.de)



Shipping country: **Belgium, Luxembourg, The Netherlands, France, Greece, Israel, Italy, Turkey**

## Antwerp hub

ATT: **Dr. Philippe Helsen**  
Address: Centre for Research and Conservation  
Royal Zoological Society of Antwerp  
Koningin Astridplein 20-26  
2018 Antwerp, Belgium  
E-mail: [Philippe.Helsen@kmda.org](mailto:Philippe.Helsen@kmda.org)



Shipping country: **Denmark, Estonia, Finland, Latvia, Lithuania, Norway, Sweden, Portugal, Spain**

## Copenhagen hub

ATT: **Dr. Christina Hvilsom**  
Address: Copenhagen Zoo  
Roskildevej 38  
PO Box 7  
2000 Frederiksberg, Denmark  
E-mail: [ch@zoo.dk](mailto:ch@zoo.dk)