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SIRENIAN BLOOD COLLECTION PROTOCOL FOR GENETIC ANALYSIS

Ship To: **U.S.G.S. - Sirenia Project**
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Permits: Federal FWS Endangered Species Research Permit MA-791721
CITES Importation Permit US-808447/9

PRESERVING BLOOD WITH LYSIS BUFFER

Materials:

1) Lysis buffer: 100 mM Tris-HCl, pH 8; 100 mM EDTA, pH 8; 10 mM NaCl; 1.0% SDS (weight/volume)

2) Syringe or vacutainer apparatus without anticoagulant agents

3) Screw-cap tubes or other appropriated sealed containers

Methods:

1) Collect 1-2 ml whole blood in sterile syringe or vacutainer

2) Add blood immediately to a labeled tube containing lysis buffer. Add approximately a 1:10 ratio of blood to lysis buffer

3) Invert tube gently several times to mix

4) Samples can be stored at room temperature or in a refrigerator for up to 1 year. Avoid extended exposure to direct sunlight or high temperatures

5) Ship samples as soon as possible by air freight or express courier

Note: SDS is sodium dodecyl sulfate (=sodium lauryl sulfate). Lysis buffer is nontoxic and can be stored for an extended period at room temperature.

Apr08