

Hamilton Health Sciences Centre Trace Elements Erythrocytes Collection Instructions

For all except Antimony:

Collect one 6 mL Plasma tube (K2-EDTA, Becton Dickinson 368381).

Mix gently and separate within 30 minutes.

Remove and discard the supernatant plasma, buffy coat and some of the upper level red blood cells using a polyethylene transfer pipette. Make sure that all of the plasma and buffy coat have been removed.

Transfer the erythrocytes to a polypropylene transfer vial. Submit 3 mL erythrocytes (recommended to allow repeats); 1 mL minimum.

Store and send frozen.

For Antimony: (Test Site HRLMP Hamilton; ICP-TripleQ MS)

Collect one 7 mL Plasma tube (EDTA (Na₂), Monoject™ by Covidien). ***Do not use plastic blood collection tubes, since these contain high levels of Antimony.***

Mix gently and separate within 30 minutes.

Remove and discard the supernatant plasma, buffy coat and some of the upper level red blood cells using a polyethylene transfer pipette. Make sure that all of the plasma and buffy coat have been removed.

Transfer the erythrocytes to a polypropylene transfer vial. Submit 3 mL erythrocytes (recommended to allow repeats); 1 mL minimum.

Store and send frozen.

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