



London Health Sciences Centre Trace Elements Erythrocytes Collection Instructions

For all except Antimony:

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

Panels: Collect and process two tubes as described below.

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 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 LHSC London; HR-SF-ICP-MS)

Collect one 6 mL Plasma tube (Na Heparin, Becton Dickinson 366480). **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 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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