

ASY-150.5: Purpose

To determine whether a sample is EDTA plasma or not.

ASY-150.6: Materials

- a Eriochrome Black T (Sigma cat. no. E-2377)
- b Triethanolamine (Fluka cat. no 90282) (in flammable liquids cabinet)
- c Ethylenediamine (in flammable liquids cabinet)
- d 2-propanol (or ethanol) (in flammable liquids cabinet)

ASY-150.7: Method

a Preparation of Eriochrome Black T reagent

i Mix:

- 200mg eriochrome black T
- 15g triethanolamine
- 15mL 2-propanol (or ethanol)

Call this Reagent A.

Store in Cold Room.

b Testing for plasma or serum

i Mix:

- 10 µl Reagent A
- 200 µl ethylenediamine
- 800 µl Milli-Q water

Call this Reagent B

Discard after use.

ii Mix:

- 50 µl of the unknown sample (serum or plasma?)
- 500 µl water
- 100 µl Reagent B

iii Hold tube against a white sheet of paper.

If the colour is *blue*, the sample is *EDTA plasma*,
if *pink/purple* the sample is *serum* or *heparin plasma*.

Citrate plasma gives an *intermediate colour* between blue and pink/purple.

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