

List of trace-element free supplies

Below is a list of trace element-free blood collection supplies. This list is not meant to be exclusive or an endorsement of any company.

Supplies for blood collection:

- S-Monovette for Trace Metal Analysis by Sarstedt (7.5mL; Lithium Heparin for Trace Metal Analysis; 15 x 92mm); Ref # 01.1604.400
- Needle 21 G for metal analysis by Sarstedt; Ref # 85.1162.400
- Multifly needle with multi-adapter by Sarstedt (23 G x 3/4 in. 60 mm); Ref # 85.1640.005
- Multifly needle with multi-adapter by Sarstedt (21 G x 3/4 in. 60 mm); Ref # 85.1638.005
- Butterfly needle for infants and young children by Becton Dickinson (21G); Ref # 367284
- Trace-element free vacutainers by Becton Dickinson; Serum: Ref #368380; Plasma: Ref # 368381

Supplies for aliquoting:

These supplies have been used successfully, but unless they are certified to be trace metal free, they should be tested for zinc content prior to use:

- Pipette tips by Axygen; Ref # T1000-B
- 2-position tubes by Sarstedt; Ref #62.526.028
- SAMCO pipettes; Ref #225-1S
- MLR® Polypropylene pipette tips by Daigger, trace metal certified; Ref # EF20550R

Supplies for sample storage:

These have been used successfully, but should be tested for zinc content prior to use:

- 1.5 mL microcentrifuge tubes by Perfector Scientific
- 2 mL screw top tubes by Perfector Scientific
- 1.7 mL Labcon microcentrifuge tubes; Ref # 3013 870 000

It is important to use powder-free gloves during each step of blood collection and blood processing.

Standard reference material:

- UTAK Serum; Ref # 66816
- NIST (National Institute of Standards and Technology) Bovine Serum; Ref # 1598a