



Sampling instructions for clinical samples

Sample containers can be provided by ALS Scandinavia AB. Orders can be placed via our website or by contacting our client service in Luleå, Sweden or your local sales representative.

Website: www.alsglobal.se/en
 Client service: *e-mail:* info.lu@alsglobal.com *Phone:* +46 (0) 920-28 99 00
 Sales & Marketing: *e-mail:* sales.lu@alsglobal.com *Phone:* +46 (0) 920-28 99 00

It is generally recommended not to ship samples over weekends.

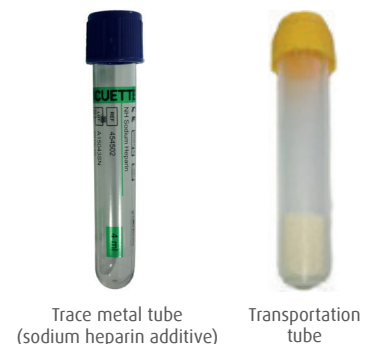
Whole blood

Recommended tubes: Tubes for trace metal analysis with darkblue cap should be used.

Fill the tube with blood and turn it upside-down at least five times.

Storage: In case storage is necessary, store samples in refrigerator. Whole blood should not be frozen.

Recommended sample amount: 3ml. Analysis can be carried out with significantly lower sample amount, please contact us.



Trace metal tube
(sodium heparin additive)

Transportation
tube

Urine

Recommended tubes: Acid washed tubes are recommended for trace metal analyses.

Fill the tube with urine. For individuals exposed at work, sample is taken at the end of the work week, at the end of the day.

Storage: Urine samples for metal analysis can be stored in refrigerator or freezer.

Recommended sample amount: Recommended sample amount: 3ml. Analysis can be carried out with significantly lower sample amount, please contact us.



60ml tube for urine samples
(Acid washed and tested at ALS)

Serum

Recommended tubes: For serum samples, acid washed tubes are recommended. Tubes for trace metal analysis should be used when collecting the blood. Please be aware of contamination risks during the preparation, particularly for aluminium.

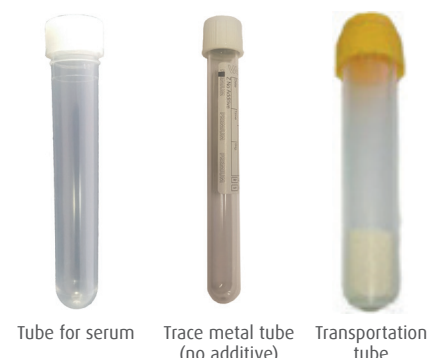
1. Fill the tube with approx.3ml. of blood. Let the sample coagulate in a standing position for about 2-3 hours in room temperature.

2. The sample is centrifuged for approx.10 minutes at 1 800-2 000 G. Should the centrifuge only allow calibration in RPM, the corresponding speed can be calculated using a RCF/RPM calculator (centrifuge radius must be known).

3. Transfer the serum into an acid washed tube.

Storage: Serum samples for metal analysis can be stored in refrigerator or freezer.

Recommended sample amount: 3ml. Analysis can be carried out with significantly lower sample amount, please contact us.



Tube for serum

Trace metal tube
(no additive)

Transportation
tube