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Laboratory Genetic Metabolic Diseases

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Protocol for collection and pretreatment of blood samples for the determination of oxalate in plasma

- Collect at least 2 ml of heparin blood in an ice-cooled (0°C) tube and centrifuge for 10 minutes at 1700 x g at 4°C within 1.5 hrs (also keep on ice before centrifugation).
- Transfer 200 µl of plasma in a 4 ml **glass** screw capped vial, in quadruplicate. (Do not use plastic tubes, this causes interference with the analysis!)
- Add 30 µl of concentrated HCl (37%) to each vial, mix immediately using a vortex and close the vials securely.
- Store the vials at -20°C until shipment.
- Send the frozen samples on sufficient dry ice, together with a completed laboratory form (available at www.labgmd.nl) to our laboratory by (international) courier.