

Liver Biopsy Samples for Mineral Analysis

Liver biopsy samples sent to Prairie Diagnostic Services for mineral analysis should be submitted in **small** containers (~1.5mL volume), preferably with a drop of saline to prevent desiccation.

Suggested Sample Containers:



Microcentrifuge tubes with screw caps. Fisher Scientific order link:

<https://www.fishersci.ca/shop/products/fisherbrand-free-standing-microcentrifuge-tubes-screw-caps-3/02682557?keyword=true>

Microcentrifuge tubes with locking caps. Fisher Scientific order link:

<https://www.fishersci.ca/shop/products/microcentrifuge-tubes-locking-snap-cap/14666319?keyword=true>

Sample Notes:

- Desiccated samples will **not** be analyzed as all interpretations are based on wet weight and results will be extremely inaccurate.
- Mineral results for liver samples <0.2g will **not** be guaranteed. Most biopsy samples received in the lab are about **0.02g**, which is 10x less than the recommended weight needed for accurate results.
- Biopsy samples that are mostly blood or contain hair, skin, etc. will give erroneous results.