

Sample Preparation Protocols for Bile Acids

General guidelines:

- Always use HPLC grade solvents to do extraction.
- For cell samples, count the cell number. Tissue samples should be weighed.
- If the user intends to use total protein for normalization, please save the pellets after extraction for protein quantitation.
- No radioactive samples will be accepted.
- Samples containing infectious pathogens cannot be accepted.

Protocol:

Amount of material needed per sample:

- Solid tissue (including fecal samples): > 50mg
- serum/plasma: > 50 ul

From solid tissue

- Add 500 ul cold methanol to each 50 ul tissue in 1.5 ml centrifuge tube (volume should be adjusted according to size of tissue)
- Homogenize/smash tissue on ice
- Spin at 14,000 rfc for 20 min at 4C
- Transfer the supernatant to a clean 1.5 ml tube
- Lyophilize or speedvac with no heat on
- Store in -80C till sample submission