

Lipid Extraction

Materials:

- Extraction Buffer
- Thermomixer
- Vortex
- Centrifuge
- Lyophilization (Christ Alpha 2-4 LSClassic)
- Methanol (MeOH)
- Isopropanol (IPA)
- Autoclaved milliQ Water

Buffer Preparation:

Extraction Buffer MeOH:IPA (1:1 v/v) 100 mL

- Methanol: 50 mL
- Isopropanol: 50 mL

Protocol:

- Add 50 uL milliQ water to Eppendorf tubes containing the pellets
- Add 1000 uL Extraction Buffer
- Vortex Samples: 45s
- Incubation in Thermomix:
 - 25°C
 - 950 rpm
 - 30 min
- Vortex Samples. 10 s
- Centrifuge:
 - 4°C
 - 16'000 g
 - 10 min
- Collect Supernatant (800 uL)
- Sample Drying using speedVac for around 2h