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🌐 Acetone extraction of bacteria pellet for HPLC (2022 iGEM)

Forked from [Acetone precipitation of proteins](#)

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1 Works for me

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ABSTRACT

Pre-cold acetone is generally used for protein precipitation. Here, we collect the supernatant for membrane lipid analysis.

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PROTOCOL CITATION

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FORK NOTE

FORK FROM

Forked from [Acetone precipitation of proteins](#), Igem Dusseldorf

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- 1 Grow bacteria in 150 mL 2xYT media overnight. Harvest by centrifugation at 4000 rpm for 10 minutes. Discard the supernatant. ^{16h}
- 2 Add 4 times the volume -20°C acetone (3 mL in our case) to the extract, and vortex. ^{15m}
- 3 Incubate sample at -20°C for 1 hour. 🕒 01:00:00 ^{1h}
- 4 Centrifuge at 13500 rpm for 10 minutes at 4°C. Collect the supernatant without touching the protein pellet. ^{10m}
- 5 Store the acetone extracted sample at -80°C for long term use, or -20°C for short term use.