



Oct 19, 2019

## Acetone precipitation of proteins

[iGEM Dusseldorf<sup>1</sup>](#)<sup>1</sup>Heinrich-Heine Universität Düsseldorf[1](#) *Works for me* [dx.doi.org/10.17504/protocols.io.8gehte](https://doi.org/10.17504/protocols.io.8gehte) [iGEM Dusseldorf](#) 

- 1 Add 4 times the volume -20°C acetone to the extract and vortexed
- 2 Incubate sample at -20°C for 2 hours ⌚ 02:00:00
- 3 Centrifuge at 14000 x g for 4 min at 4°C and discard the supernatant ⌚ 00:04:00
- 4 Wash pellet twice with a 4:1 acetone/water mixture at -20°C until the pellet is well broken up
- 5 Centrifuge at 14000 x g at 4°C for 10 min between each washing step (2x)
- 6 After final centrifugation, incubate solutaion at 40°C until approximately 80% of the liquid evaporated
- 7 Resuspend pellet in remaining liquid. Store at -80°C for long term use or -20°C for short term use



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