



Sep 26, 2019

Protein gel sample preparation V.2

Cleo B.¹¹Wageningen University

1

Works for me

dx.doi.org/10.17504/protocols.io.7p9hmr6

iGEM Wageningen 2019



Cleo B. ⚡

ABSTRACT

Sample preparation for tricine SDS-page gels and polyacrylamide SDS-page gels.

MATERIALS

NAME ▾

CATALOG # ▾

VENDOR ▾

Beta-mercaptoethanol

MilliQ Water

tricine sample buffer

161-0739

BIO-RAD

4x Laemmli Sample Buffer

161-0747

Bio-rad Laboratories

MATERIALS TEXT

protein samples

sample preparation tricine SDS page

- 1 If you are unsure about the amount of protein present in your sample, load multiple concentrations

Add beta-mercaptoethanol to tricine sample buffer until a final concentration of 2%

Dilute 1 part sample with 1 part sample buffer

sample preparation SDS page

- 2 If you are unsure about the amount of protein present in your sample, load multiple concentrations

Add 100 µl of beta-mercaptoethanol per 900 µl of 4x laemmli sample buffer

Dilute 3 parts sample with 1 part sample buffer

- 3 Spin samples down ~ 10 sec

Place samples at 95 °C for 5 min

Load samples to gel



This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](https://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited