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## Protein gel sample preparation V.1

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1

Works for me

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## 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

## cell cultures

1 OD correct cell cultures. For an OD of 0.6:

1.1 Spin down **2 ml** of culture at OD of 0.6

Remove supernatant

Dissolve pellet in **100 µl** MQ

## sample preparation tricine SDS page

2 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

3 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

- 4 Spin samples down ~ 10 sec  
Place samples at  95 °C for 5 min  
Load samples to gel



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