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Version 2

## Protein gel sample preparation V.2

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**Protocol status:** Working

**We use this protocol and it's working**

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## Abstract

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

## Materials

### MATERIALS

 Beta-mercaptoethanol

 MilliQ Water

 tricine sample buffer **Bio-Rad Laboratories Catalog #161-0739**

 4x Laemmli Sample Buffer **Bio-Rad Laboratories Catalog #161-0747**

protein samples

## Troubleshooting





## 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  $\mu\text{L}$  of beta-mercaptoethanol per  900  $\mu\text{L}$  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