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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 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