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Version 1

Protein gel sample preparation V.1

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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



cell cultures

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

cell cultures

- 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

1m