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🌐 SDS-PAGE

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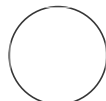
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ABSTRACT

Protocol for running an SDS-PAGE.

MATERIALS

- NuPAGE Sample Buffer 4X Concentrate (ThermoFisher Scientific)
- Heating block
- XCell *SureLock*[TM] Mini-Cell (ThermoFisher Scientific)
- 4-12% Bis-Tris gels (ThermoFisher Scientific)
- NuPAGE MES SDS Running Buffer (ThermoFisher Scientific)
- SeeBlue Plus2 Pre-stained Protein Standard (ThermoFisher Scientific)
- Instant Blue Protein stain (Abcam)
- ChemiDoc MP Imaging system (Bio-Rad)

Sample preparation

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1 Dilute NuPAGE Sample Buffer 4X Concentrate into protein samples

2 Heat for 10 min at 95 °C

Gel

3 Run gel at ~150 V for 35 min

4 Incubate in staining solution until bands appear

5 Image using ChemiDoc MP Imaging system