Nov 02, 2023

SDS-PAGE

DOI
https://dx.doi.org/10.17504/protocols.io.4r3l22er4l1y/v1

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Protocol Citation: Alexander Röntgen 2023. SDS-PAGE. **protocols.io** https://dx.doi.org/10.17504/protocols.io.4r3l22er4l1y/v1

Protocol status: Working
We use this protocol and it's working

Created: November 02, 2023

Last Modified: November 02, 2023

Protocol Integer ID: 90291

Keywords: page protocol, sd, page, protocol

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

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