

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>

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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