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One-dimensional SDS-PAGE (9-18% TGX gel)

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

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ABSTRACT

Protocol for one-dimensional sodium dodecyl sulfate polyacrylamide gel electrophoresis (SDS-PAGE) on a 9-18% TGX gel for visualization and quantification of histone proteins.

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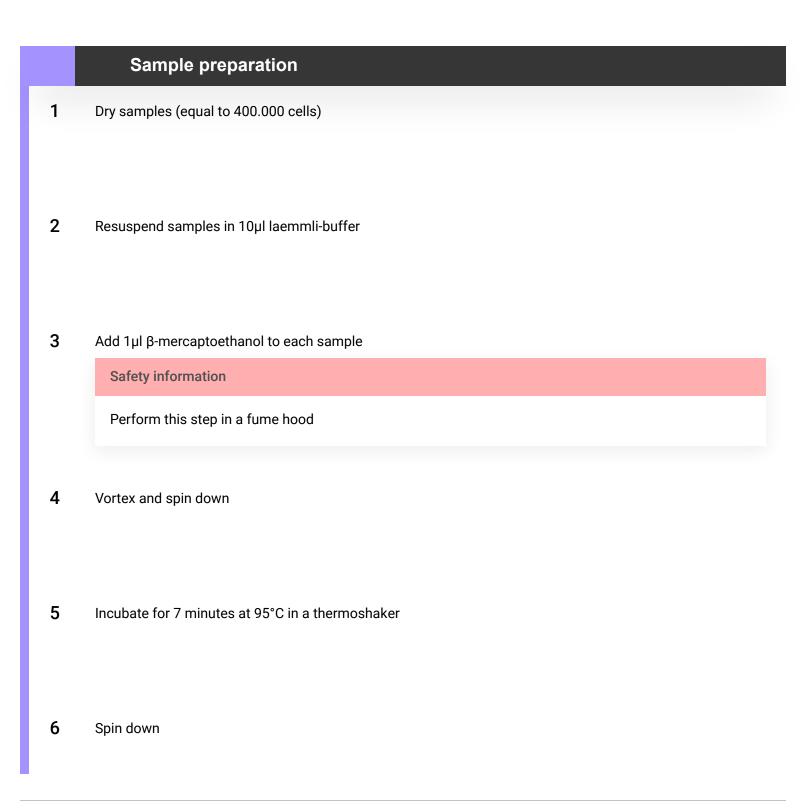
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Prepare Criterion Cell 7 Place the criterion cell on ice in a fume hood 8 Remove the sticker from the bottom of the gel cassette and check the gel for cracks 9 Put the gel cassette in the criterion cell 10 Fill the reservoir with running buffer (25mM Tris, 0.1% SDS, and 192mM glycine in MilliQ water) and take out the comb Running of the samples 11 Load the samples and standards (2 µg of bovine histones) on the gel (3 standards per gel: lane 1, lane 9 and lane 18) 12 Put the cover on the criterion cell 13 Start running the gel on 200V

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Stop running when the frontline is almost gone



Visualization

- 15 Take out the cassette
- 16 Incubate in fixation-solution (7% acetic acid, 10% methanol in MilliQ water) for 10 minutes on a shaker
- Wash the gel 3 times for 5 minutes in MilliQ water on a shaker
- 18 Incubate in SyproRuby overnight



- 19 Wash the gel 3x for 10 minutes in MilliQ water on a shaker
- 20 Visualize the gel (Versadoc)

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