Quick Coomassie Stain (QC Stain)

#Cat: NB-45-00078-1l Size: 1l
#Cat: NB-45-00078-30ml Size: 30ml

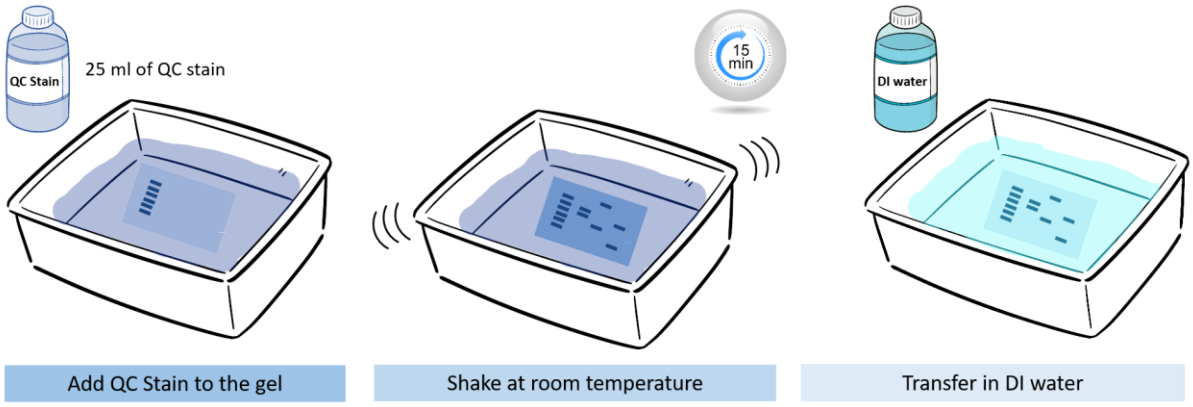
Quick Coomassie is a new revolution in rapid 1-step Coomassie staining. The proprietary formulation, incorporating Colloidal Coomassie, is used for rapid protein staining in polyacrylamide gels.

Storage condition

Upon receipt, store product at 4ºC. Shake before use.
The QC stain is stable up to 6 months at room temperature and up to 1 year at 4ºC.

Simple 1-step Protocol

1. Pour 25 ml QC stain into a container. Use more stain if you are using a largergel tray.
2. Remove the gel from the cassette and place the gel into the stain.
3. Leave the gel, while shaking, for a minimum of 15 minutes or until all weak protein bands are fully developed. Stain intensity is high after about 1 - 2 hours and maximum after overnight incubation.
4. Transfer the gel to DI water to remove any background staining and for gel storage. (N.B: A minimum 1 hour full stain is recommended before storing thegel in water.)



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Microwave Procedure for Gels

1. Using a microwave to heat up the QC stain can speed up the development of the protein bands.
2. For turbo-charging the stain, we recommend microwaving the gel, immersed in QC stain, in a suitable microwave-safe tray for a maximum 10 seconds at full power.
3. Remove the tray from the microwave and keep the gel in the QC stain for at least 30 min – 1 hour before storing the gel in DI water.

For Mass Spectrometry Applications

1. Stain the gel as normal.
2. Excise the protein band of interest and put in a clean microfuge tube ideally.
3. Add 1 ml of 30% ethanol or 30% acetone.
4. Incubate for 20 min (60°C – 70°C increases the rate of de-staining).
5. Decant supernatant and repeat step 3 and 4 at least 3 times or until the gel fragment is clear.
6. Analyze the sample following the standard procedure for mass spectrometeranalysis.

For reference only