

Instruction Manual FastGene® Q-Stain Protein Gel Stain

Cat. No.: FG-QS1 (1l), FG-Qs (50 ml)

- For Research Use Only -

The FastGene® Q-Stain is a single-step Coomassie Blue protein gel stain for polyacrylamide gels. This protein staining solution eliminates the need to fix, wash or destain your PAA protein gel. Just run your PAA protein gel, add the stain, and watch your bands appear in several seconds. Q-Stain does not stain unspecifically the polyacrylamide gel, creating a crystal-clear background with clearly visible protein bands. Unlike many other stains, Q-Stain is a water-based product, free of Methanol and Acetic acid.

Benefits:

- **Ultra-fast staining** – Results in 10 minutes or less
- **Single-Step procedure** – No washing, fixing or destaining
- **High sensitivity** – 10 ng bands detectable
- **Flexible** – No over staining
- **Efficient** – Only 25 ml per gel
- **Methanol free** – No gel shrinkage or protein methylation
- **Acetic acid free** – No protein acetylation
- **MS compatible** – No residual methylation or acetylation

Operating procedure:

Take the Q-Stain out of the fridge and preheat it up to **RT**. Put the gel after the run in a vessel which is a little bit bigger than the gel. Add enough stain (should be at **RT** for better results) to cover the gel completely. Incubate at room temperature according to the times listed below for lowest detectable level in a protein band. Gently agitate if possible. Afterwards, store Q-Stain at 4°C.

1) 1 µg or more	2 minutes
2) 100 ng to 1 µg	10 minutes
3) 10 ng to 100 ng	60 minutes

It is possible to decrease these times by inserting gel and stain into microwave for 20 seconds. For maximum sensitivity follow staining by a 20 minutes gentle agitation in dionized water.

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