



Cyrusbioscience

ReadyPour™ Acrylamide Premix Set

Cat. No. IG002 and IG001
IG004 and IG001
IG006 and IG001
IG008 and IG001

Kit Contents

1. 500mL Separating Gel Solution (choose “one” from the following items)

- IG002 ReadyPour™ 8% Acrylamide:Bis Tris 500 ml
- IG004 ReadyPour™ 10% Acrylamide:Bis Tris 500 ml
- IG006 ReadyPour™ 12% Acrylamide:Bis Tris 500 ml
- IG008 ReadyPour™ 15% Acrylamide:Bis Tris 500 ml

2. 250mL Stacking Gel Solution

- IG001 ReadyPour™ 4.5% Stacking Acrylamide:Bis Tris pH 6.8 250 ml

Storage: Store solution form at 4°C up to 1 year or store for longer term at -20°C.
Prevent long direct contact with sun light.

Description

ReadyPour™ Acrylamide Pre-Mix solutions are ready to use. The gel solution contains all components, simply aliquot the desired quantity and add ammonium persulfate (APS) and TEMED.

*For denatured gel, SDS should be additional added.

Features

- Sharper bands with reduced smiling effects
- Higher resolution (compared to home-brew gels)
- Faster and safer to use (minimal handling time, dilute to your working concentration and add APS/TEMED)
- Cost effective (500 ml of ReadyPour™ will yield about 50 mini-gels)

Suggested protocol to cast one gel

- For the separator gel, aliquot 10 ml of your selected acrylamide percentage and transfer in a clean tube or beaker.
- For the stacking gel, aliquot 2.5 ml of IG001 Stacking solution and transfer in a clean tube.
- Take an empty cassette and place it in an upright position on a support.
- Add 10 µl of TEMED to the Separator solution and mix by swirling a few times.
- Then add 50 µl of 10% APS and mix by swirling a few times.
- Use a pipette to gently deliver the solution to the empty cassette, taking care not to introduce bubbles. The level of solution should just reach 5 to 10 mm from the top of the notched plate.



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- Add 2.5 μ l of TEMED and 12.5 μ l of 10% APS to the Stacking gel solution and swirl to mix.
- Gently add the stacking solution on the top of the gel.
- Put the comb in place and let polymerize at least 10 minutes.

Alternatively:

This protocol has been calibrated for RT defined as 20°-24°C, at higher temperatures, the polymerization will be faster. Following this protocol, you have about 2 minutes to pour the gels. This can be difficult if you want to pour several gels simultaneously. However, it is easy to slow the polymerization time: simply reduce the amount of APS 10% to 75 μ l, to get about 5 minutes before polymerization. Reduce APS 10% to 50 μ l for about 10 minutes of polymerization. Be aware that the stacking gel solution is slower to polymerize than the separator gel solution.