

Coomassie Colloidal Staining (for overnight stains)

1. Staining solution

- 0.08% Coomassie Brilliant Blue G250 (CBB G250)
 - 10% citric acid
 - 8% ammonium sulfate
 - 20% methanol
- Dissolve 120 g citric acid in distilled water
 - Dissolve 80 g ammonium sulfate in this solution
 - Add 0.8 g CBB G250 and mix it for a few hours
 - Make this up in 800 ml distilled water (as final volume)
- Directly before use take as much staining solution as needed and add methanol (final concentration: 20%) while stirring
 - For 1 gel 50 ml as sufficient : 10 ml methanol + 40 ml Colloidal Stain
 - Do NOT filter the solution

2. Gel is placed into staining solution with methanol directly after the SDS-PAGE for 6h to overnight

3. Gel is de-stained with distilled water (several changes) until the background is clear

- 0.1% (v/v) acetic acid may be added for storage

10x Coomassie Staining (ONLY for a few hours)

1. Staining solution

- 0.4% Coomassie Brilliant Blue G250 (CBB G250)
 - 10% citric acid
 - 8% ammonium sulfate
 - 20% methanol
- Dissolve 120 g citric acid in distilled water
 - Dissolve 80 g ammonium sulfate in this solution
 - Add 4.0 g CBB G250 and mix it for a few hours
 - Make this up in 800 ml distilled water (as final volume)
- Directly before use take as much staining solution as needed and add methanol (final concentration: 20%) while stirring
 - For 1 gel 50 ml as sufficient : 10 ml methanol + 40 ml 10x Stain
 - Do NOT filter the solution

2. Gel is placed into staining solution with methanol directly after the SDS-PAGE ONLY for a few hours, but never do it overnight

3. Gel is de-stained with distilled water (several changes) until the background is clear

- 0.1% (v/v) acetic acid may be added

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