

ภาคผนวก

Colloidal Coomassie Brilliant Blue staining

Solution

1. Fixing solution (fresh prepare)

| | | |
|-------------------------|-------------|---------|
| o-Phosphoric acid (85%) | 1.3 % (w/v) | 5 ml. |
| Methanol | 20% (v/v) | 100 ml. |
| DW make up to | | 500 ml. |

2. Staining stock solution A (fresh prepare)

| | | |
|-------------------------|-----------|---------|
| o-Phosphoric acid (85%) | 2% (w/v) | 9.5 ml. |
| Ammonium sulfate | 10% (w/v) | 40 g. |
| DW make up to | | 400 ml. |

3. Staining stock solution B (fresh prepare)

| | | |
|--------------------------------|----------|--------|
| Coomassie Brilliant Blue G-250 | 5% (w/v) | 2.5 g. |
| DW make up to | | 50 ml. |

4. Staining solution (fresh prepare)

| | |
|----------|---------|
| Sol B | 10 ml. |
| Sol A | 400 ml. |
| Methanol | 100 ml. |

5. Neutralizing solution

| | | |
|-------------------|-------------------|---------|
| Tris base | 0.1 M | 6 g. |
| DW make up to | | 500 ml. |
| o-Phosphoric acid | titrate to pH 6.5 | |

6. Washing solution

| | |
|-------------------|---------|
| Methanol | 125 ml. |
| DW make up to | 500 ml. |

7. Stabilizing solution

| | |
|-------------------|---------|
| Ammonium sulfate | 100 g. |
| DW make up to | 500 ml. |

Staining

1. Fix for 60 minutes in fixing solution
2. Stain overnight with staining solution
3. Transfer gel into neutralization buffer for 1-3 minutes
4. Wash with 25% methanol for less than 1 minute
5. Transfer gel into stabilizing solution