

### Coomassie<sup>®</sup> Brilliant Blue R-250 Staining Solution

| <u>Product Name</u>   | <u>Product Code</u> | <u>Kit Packing</u> |
|---|---------------------|--------------------|
| Coomassie <sup>®</sup> Brilliant Blue R-250 Staining solution | ML258-250ML         | 250 ml             |

#### Introduction:

Coomassie<sup>®</sup> Brilliant Blue R-250 Staining Solution is a Coomassie R-250 methanol-based stain formulated for protein detection in polyacrylamide gel. Protein bands form an intense blue color when stained with Coomassie Brilliant Blue and can be easily distinguished on the gels. This staining is very convenient as it involves a single, ready-to-use reagent and does not modify the target proteins.

#### Description:

Coomassie Brilliant Blue R-250 is a very common dye with two similar triphenylmethane groups and is widely used as a staining solution for visualizing proteins on polyacrylamide gels after electrophoretic separation. Coomassie Brilliant Blue G R-250 binds to the protein samples which are visualized as blue bands on the gels. During the staining procedure, gels are not required to be fixed as this solution contains methanol and acetic acid. One initial water wash step is required for the removal of residual SDS (during SDS-PAGE) as it interferes with the staining procedure. Staining is usually done for an hour and then a methanol: acetic acid destaining step is required for washing off excess unbound dye from the gel.

#### Application:

Coomassie<sup>®</sup> Brilliant Blue R-250 Staining Solution is used for the detection of protein bands on acrylamide gel while doing SDS-PAGE. During this staining procedure proteins are not chemically modified and therefore, the protein bands can be completely destained and recovered for sequencing.

#### Composition:

Coomassie<sup>®</sup> Brilliant Blue R-250 Staining Solution contains 0.25% (w/v) Coomassie Brilliant Blue R-250 in 45% (v/v) methanol and 10% (v/v) glacial acetic acid.

#### Properties:

|                  |   |  |
|------------------|---|--|
| Appearance       | : | Blue colored solution  |
| Clarity          | : | Clear and free of particles  |
| Suitability test | : | This solution has been tested and is suitable for use for staining protein bands on acrylamide gels. |

Registered Office

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**Storage conditions:**

Coomassie® Brilliant Blue R-250 Staining Solution has to be stored at 15-25°C. Under recommended condition, the reagent is stable for 12 months.

**Warning and Precautions**

Not for Medicinal Use. Read the SDS carefully before beginning the protocol. Wear protective gloves/protective clothing/eye protection/face protection. Follow good clinical laboratory practices while handling clinical samples. Standard precautions should be followed as per established guidelines. Safety guidelines may be referred in safety data sheets of the product.

**Performance and Evaluation**

Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.









**Safety Information**

The Coomassie Brilliant Blue Stain is for laboratory use only, not for drug, household or other uses. Take appropriate laboratory safety measures and wear gloves and safety goggles when handling. Not compatible with disinfecting agents containing bleach. Please refer the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices

**Technical Assistance**

At HiMedia we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail at [mb@himedialabs.com](mailto:mb@himedialabs.com).

## Symbol

|   |                               |  |                                  |
|---|-------------------------------|--|----------------------------------|
|  | Manufacturer                  |  | Do not use if package is damaged |
|  | Batch code                    |  | Temperature limit                |
|  | Date of manufacture (YYYY-MM) |  | Consult instructions for use     |
|  | Use-by date (YYYY-MM)         |  | Catalogue number                 |

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### Disclaimer :

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