

## PRODUCT INFORMATION

### SERVA Blue G Powder

Cat. No. 35050

#### Product description:

<b>General</b>	Dye based on Coomassie®* Brilliant Blue G-250. The "G" in the name Brilliant Blue G refers to a blue dye with a greenish hue
<b>Application</b>	<ul style="list-style-type: none"><li>• Protein assay with Bradford reagent<sup>1</sup></li><li>• Staining of proteins in polyacrylamide and agarose gels</li><li>• Determination of CMC of detergents<sup>2</sup></li></ul>
<b>Storage</b>	Store powder dry and dark at +15 °C – +30 °C. If stored as indicated, shelf life of powder is ca. 3 – 5 years.
<b>Solubility</b>	Soluble in water (1 mg/ml, dark blue solution). For complete solution heating may be required.

#### Staining protocol:

<b>Solutions</b>	Fixing solution	10 % glacial acetic acid, 40 % EtOH (10 ml glacial acetic acid/40 ml EtOH/50 ml H <sub>2</sub> O)
	Stock solution I	0.2 % SERVA Blue G in 90 % EtOH (100 mg in 50 ml 90 % EtOH), Solution is stable at RT for several months.
	Stock solution II	20 % Acetic acid
	Destainer I	conforms to fixing solution
	Destainer II	10 % glacial acetic acid, 20 % EtOH

- Staining**
1. Fix gel for 30 min. in 100 ml fixing solution.
  2. Prior to use add 50 ml stock solution I to 50 ml stock solution II.
  3. Stain gel in solution for 20 min.

- Destaining**
1. For a first rapid destain, incubate gel for ca. 0.5 - 5 min. (dependent on gel thickness) in destainer I. Destain gel further as long as needed in destainer II (visual inspection).
  2. Rinse destained gel 2x for 5 min. in H<sub>2</sub>O dist.

<sup>1</sup>Bradford, M. M., Anal. Biochem., 72, 248 – 254 (1976), <sup>2</sup>Samsonoff, C., et al., J. Colloid and Interface Science, 109(2), 325 – 329 (1986).

\*Coomassie is a tradename of ICI, UK