

## INSTRUCTIONS FOR USE

### SERVA Blue R Staining Kit

Cat. No. 42531

#### Product description:

<b>Kit Components</b>	500 ml 0.2 % SERVA BlueR in ethanol 500 ml 20 % acetic acid
<b>Solutions not provided in kit</b>	Destainer, composition see section "Instructions for use"
<b>Application</b>	The SERVA Blue R Staining Kit provides you with a fast, clean and convenient way to prepare staining and destaining solutions for mini- and standard protein gels in volumes according to your demand.
<b>Features</b>	<ul style="list-style-type: none"><li>• Detection limit (for BSA): ca. 60 ng</li><li>• Sufficient for 20 mini gels (8 x 10 cm) or 10 standard gels (16 x 18 cm)</li></ul>
<b>Storage Conditions</b>	After delivery store at room temperature. The kit is stable for at least 12 months.

#### Instructions for use:

**Safety Precautions:** *The solutions are inflammable and irritant. Please follow the instructions for handling hazardous substances. It is strongly advised to wear protective glasses, gloves and clothing during all steps of the staining procedure.*

**Destainer** 20 % (v/v) ethanol (Cat. No. 11093), 5 % (v/v) acetic acid, 1 % (w/v) glycerol (Cat. No. 23176)

**Fixation/ Staining** **SDS PAGE:** Fixation and staining take place in one step.  
**Native gels:** Fix gel in 20 % (w/v) trichloroacetic acid for 30 min., then wash it for about 1 min. in distilled H<sub>2</sub>O before staining. Prior to use mix **stock solution 1 and 2** in the ratio **1:1** (mini gel: about 25 ml each).  
**Stain** gel with gentle shaking for at least **30 minutes**. (Staining solution can be used 2 – 3 x).

**Destaining** Rinse gel after staining for **1 minute with dest. water** and incubate for **2 x 60 minutes** in destainer. If background is not clear enough, destain gel for 20 – 30 minutes in 40 % ethanol/10 % acetic acid/2 % glycerol.