

## Polystreptavidin R Coating Kit

Catalogue Number: BTCK-MC0125

Catalogue Number: BTCK-MC0500

Catalogue Number: BTCK-MC1000

Package Size: 1 kit for 125 mL coating solution

Package Size: 1 kit for 500 mL coating solution

Package Size: 1 kit for 1000 mL coating solution

### 1. Description

Reagents for Polystreptavidin R Coating incl. Pre-Coating

Streptavidin coating offers a universal immobilization principle for detection and analysis of biotinylated proteins, peptides, PCR-fragments, haptens etc. The kit contains a polymerized Streptavidin, the Polystreptavidin R, characterized by an extraordinary high Biotin binding capacity, a high chemo and thermo stability. Polystreptavidin R is part of the kit, which has been supplemented by a special solution for pre-coating. The additional pre-coating improves the outcome and should be used especially for very inert surfaces to ensure a high quality coating with Polystreptavidin R.

### 2. Application

For preparing coatings of solid phases with a Biotin binding capacity of the type "Maximum Capacity".

It is used for coating microplates, beads, membranes etc. made of metal, Nitrocellulose, ceramics or plastics like Polystyrene, Polyethylene, Polypropylene, Polycarbonate, Poly(methyl methacrylate) PMMA or Polyamides.

### 3. Components

PreCoating Solution 1 Concentrate, Dilution buffer for PreCoating Solution 1 Concentrate

Polystreptavidin R Concentrate, Dilution buffer for Polystreptavidin R Concentrate

### 4. Coating scheme

<b>Coating Step 1</b>	Pre-coating with reconstituted PreCoating Solution 1 Concentrate
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<b>Washing Step 1</b>	Washing with distilled water or physiological saline (0.9% NaCl)
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<b>Coating Step 2</b>	Coating with reconstituted Polystreptavidin R
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<b>Washing Step 2</b>	Washing with distilled water or physiological saline (0.9% NaCl)
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(After coating:	Customized blocking and/or stabilization steps)
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<b>Drying Step</b>	Overnight at room temperature or 4 hour at maximum +30°C
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<b>Packing Step</b>	Packing the coated material in foil bags with desiccant and store at +2 to +8°C

### 5. Storage

Store the Polystreptavidin R Coating Kit at 2-8 °C.