

Polystreptavidin R Coating Glass Material Kit

Catalogue Number: BTCK-GMC020
Catalogue Number: BTCK-GMC0125
Catalogue Number: BTCK-GMC0250

Package Size: 1 kit for 20 mL coating solution
Package Size: 1 kit for 125 mL coating solution
Package Size: 1 kit for 250 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. Before the coating with Polystreptavidin starts the surface of the glass material is silanized.

2. Application

For preparing coatings of solid phases with a Biotin binding capacity of the type "Maximum Capacity". It is used for coating of glass material.

3. Components

Silan Solution 1 Concentrate, Silan Solution 2 Concentrate, Dilution Buffers for Silan Solution 1 and 2 concentrate, Washing Solution, , PreCoating Solution 1 Concentrate, Stop Solution 1 and Stop Reagent 2, Polystreptavidin R Concentrate, Dilution buffer for Polystreptavidin R

4. Coating scheme

Washing Step 1 Washing the glass material with denatured ethanol, 96% (v/v)



Silanization Step 1 Coating with reconstituted Silan Solution 1 concentrate
Incubation time: 1h/RT



Washing Step 2 Washing with distilled water



Silanization Step 2 Coating with reconstituted Silan Solution 2 concentrate
Incubation time: 1h/RT



Washing Step 3 Washing with Washing Solution



Coating Step 1	Pre-coating with reconstituted PreCoating Solution 1 Concentrate Incubation time: 3h/RT
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Washing Step 4	Washing with Washing Solution
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Stopping Step 1	Stopping with reconstituted Stop Solution 1 Incubation time: 5min/RT
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Washing Step 5	Washing with Washing Solution
↓	
Stopping Step 2	Stopping with reconstituted Stop Reagent 2 Incubation time: 30min/RT
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Washing Step 6	Washing with distilled water
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Coating Step 2	Coating with reconstituted Polystreptavidin R Incubation time: overnight (~18h) /2-8°C
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Washing Step 7	Washing with distilled water
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(After coating:	Customized blocking and/or stabilization steps)
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Drying Step	Overnight at room temperature or 4 hour at maximum +30°C
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Packing Step	Packing the coated material in foil bags with desiccant and store at +2 to +8°C

5. Storage

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