



SPA – Società Prodotti Antibiotici S.p.A.

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|--------------|--|
| Product: | STREPTAVIDIN |
| Code: | S002-6 |
| Lot: | |
| Description: | Streptavidin is a protein produced by <i>Streptomyces avidinii</i> and isolated from fermentation filtrates. Affinity purified streptavidin. |
| Appearance: | Lyophilized powder without buffer salts. |
| Packaging: | On request - in a glass vial |

PRODUCT PROFILE:

- a) Activity (biotin binding): ≥ 14.6 units/mg solid.
Reference value: 16.28 units/mg.
Unit definition: one unit of streptavidin will bind 1 μg of biotin.
- b) Protein content: 95 (± 5) per cent.
- c) HPLC purity: ≥ 99 per cent.
- d) Electrophoretic profile: by SDS PAGE, under denaturing conditions, the protein subunit band is detected.
- e) Isoelectric point: 7.0 (± 0.5) determined by isoelectric focusing.
- f) Subunit molecular weight: approx 14 kDa determined by physical method.
- g) Protease activity: for information.

Recommended storage conditions: - 20°C.

Retest date:

FOR GENERAL LABORATORY USE