

## Data Sheet for SeramunStab® NPLC and SeramunStab® NPHC

### 1 Products

#### Features

- Ready to use
- Stabilizers suitable for monoclonal IgM antibodies
- Contain no added protein
- Not suitable for the stabilization of HRP-antibody-conjugates
- Shelf life 36 months from date of manufacture
- Store at 2...8 °C

Product Name	Article Number	Specifications, Recommendations for Use
SeramunStab® NPLC	ST-551	<ul style="list-style-type: none"> <li>• Reduced conductivity (&lt;2.5 mS)</li> <li>• Enhances the antigen bonding of IgM-type antibodies</li> </ul>
SeramunStab® NPHC	ST-552	<ul style="list-style-type: none"> <li>• Increased conductivity (15 mS)</li> <li>• Increased stabilization of IgM-type antibodies</li> </ul>

### 2 Effective Components and Functional Principle

SeramunStab® stabilizers are based on an aqueous buffer system. The solutions contain no added protein and provide optimal conditions regarding pH value, ionic strength, hydrophilic-hydrophobic and ionic interactions for the long-term stabilization of monoclonal antibodies (especially IgM-type) in solution. These conditions ensure the conformation and function of the antibody.

### 3 Information on Storage, Shipping and Filling

#### Storage:

- Long-term storage in frozen condition is not recommended
- Store SeramunStab® stabilizers at 2...8 °C in tightly closed containers
- Solutions showing turbidity must be discarded, as this indicates contamination.

#### Shipping:

- The product solutions are shipped at ambient temperature without cooling.

#### Filling:

- Work in a low-dust environment.
- Mix the solution before filling.
- Thoroughly clean containers and dosing devices before use.
- Wear powder-free gloves when filling.
- Filling into bottles made of HDPE or PE is recommended.
- Transfer or aliquoting should be done under low-germ conditions.

The printed expiry date applies if these instructions are followed.

### 4 General Instructions for Use

SeramunStab® stabilizers are supplied as ready to use solutions. Products may only be used by qualified staff.

Mix or shake the solutions before use.

Dilution is not recommended as this may lead to a reduction of the stabilizing properties. The protein should be diluted stepwise in the stabilizer. Depending on the requirements of the protein, concentrations of 1 ng/mL to 5 µg/mL are recommended. The solutions have been tested in ELISA (Enzyme-Linked Immunosorbent Assay).

For color coding various dyes may be added to the solution.

All specifications and details given are based on internal studies. Use in other applications is subject to individual evaluation.

## 5 Disposal

Disposal of remains must be conform with national and local legal requirements. Disposal of packaging must comply with national and local regulations for disposal.

## 6 Related Products

Product Name	Article Number	Application
SeramunStab® NPK	ST-520-NPK	Protein-free stabilizer for HRP-antibody-conjugates and proteins
SeramunBlock NP (5x)	B-115	Protein-free block solution for the stabilization of adsorbed proteins on solid surfaces and saturation of free binding sites

Explanations to possibly given pictograms:



Manufacturer



Date of manufacture



Use-by date



Batch code



Article number



Keep away from sunlight



Temperature limit



Consult instructions for use



UFI Unique formula identifier

**Please see the Safety Data Sheets for further product information.**

**For related products please see our website at [www.seramun.com](http://www.seramun.com)**