

Data Sheet for SeramunStab® NPK

1 Products

Product name	Product code	Specifications, recommendations for use
SeramunStab® NPK	ST-520-NPK	contains no protein; HRP-conjugate stabilizer; suitable for HRP-conjugates or proteins

2 Effective components and principle of function

The stabilizer solution is based on an aqueous buffer system. The solution provides optimal conditions regarding pH-value, ionic strength, hydrophilic-hydrophobic and ionic interactions for stabilizing HRP-conjugates. These conditions ensure the conformation and function of the enzyme, antibody, or biomolecule.

3 Information on storage, transport and filling

Keep solution tightly closed in a dry place at 2...8 °C (36...46 °F).

Shelf life 36 months from date of manufacture (expiry date printed on the label).

During transportation, temperatures over 30 °C (86 °F) should be avoided. Transport at ambient temperature should last less than one week.

After initial opening, the solution should be decanted or aliquoted into clean vessels under low-germ conditions. Powder-free gloves should be worn when filling the solutions.

Stability studies have shown that repeated freeze/thawing does not affect product quality. Thawed solution should be mixed well before use.

Solutions that show turbidity should be discarded, as this indicates contamination.

4 General instructions for use

SeramunStab® NPK may be used by trained technical staff only.

SeramunStab® NPK is supplied as a ready-to-use solution. Dilution is not recommended as this may lead to a reduction of the stabilizing properties. The conjugate should be diluted stepwise in the stabilizing solution. Depending on the requirements of the test used and the type of conjugate, concentrations of 1 ng/mL to 5 µg/mL are recommended. The solution is suitable for ELISA (Enzyme-Linked Immunosorbent Assay), microarrays and membrane-based assays.

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 Removal

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