

## 1. Effective Components

SeramunBlock is a phosphate buffered solution containing bovine serum albumin as blocking reagent, protein stabilizing substances and azide as preservative.

Azide is dangerous for water organisms and may form explosives in connection with heavy metal ions (see safety data sheet). By use in accordance with attended purpose, no danger for laboratory staff and environment is expected.

## 2. Principle of Function

During the coating of micro titration plates or other plastic surfaces with reactive proteins for immunological reactions, parts of the surfaces may stay uncoated. Due to avoid non specific reactions in the test system, these parts will be blocked with albumin, which is contained in SeramunBlock in high excess.

Special additives of SeramunBlock additionally stabilize the protein structure and therewith preserve protein functionality during storage of the coated micro titration plate or other coated plastic surfaces.

## 3. Instruction for Storage, Transport and Filling

SeramunBlock has to be stored at 2 – 8 °C in tightly closed vessels. In the unopened original package the shelf life is 36 months from the date of production.

It is possible to transport the solution at ambient temperature, unless it does not exceed 30 °C. The transport should take less than one week.

Any handling to fill in other vessels or splitting has to be done under sterile conditions.

Frozen solutions have to be mixed thoroughly after thawing and can be used without restriction afterwards.

Solutions showing turbidity should not be used. Since this might be a sign of microbial contamination.

## 4. General Instructions for the Use

Only qualified staff, who are familiar with the production of immunological tests, is permitted to handle SeramunBlock.

Depending from the reactive protein aspirate after coating or wash once with PBS or blocking solution. Wells of micro titration plates should be filled with 200 to 300 µl undiluted SeramunBlock and incubated for one hour at room temperature. The volume of the blocking solution has to be higher than the volume of the coating solution as well as the intended test volume.

Aspirate SeramunBlock to finish the blocking process. Optional wash once with deionized water. Dry the surfaces at a dust free place at room temperature or 37°C and seal airtight, in a pouch with addition of desiccant (silicagel).

## 5. Literature

A. M. Raem, P. Rauch: Immunoassays, Spektrum Akademischer Verlag 2007

## 6. Symbols used



In vitro diagnostic



Catalogue number



Batch code



Manufacturer



Consult instruction for use



Temperature limitation



Do not reuse



Use by