

1. Product Description

Wash and Incubation Buffer (WIB) is a concentrate to prepare a wash and incubation solution. Its recommended use is as wash buffer for efficient washing of immunological assays (Lineassays and microarrays) and as sample diluent with stabilizing effect during sample incubation.

2. Effective Components

WIB is a complex buffered solution (pH 6.2 – 6.4) containing casein as active substance. To save the solution from microbiological contamination it contains preservative.

The preservatives are dangerous for water organisms (see safety data sheet). By use in accordance with attended purpose, no danger for laboratory staff and environment is expected.

3. Principle of Function

WIB is used as diluent for samples and washing solution in membrane based assays or microarrays. The buffer system provides good conditions for a broad variety of proteins regarding reactivity of immunological reactions, whilst the casein prohibits nonspecific binding to the membrane or plastic surface. The ionic strength provides the characteristics to act as wash buffer.

4. Instruction for Storage, Transport and Filling

WIB 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.

For bottling use vessels from HDPE or PP and preferably tubes from silicon rubber and peristaltic pumps.

5. General Instructions for Use

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

The ready-to-use Wash and Incubation solution is prepared from the WIB concentrate by dilution with distilled water 1:5 (e.g. 100 ml concentrate + 400 ml distilled water).

For sample incubation dilute the sample (e.g. 1:101) in the Wash and Incubation solution. Use an amount sufficient to cover the membrane or assay. Moving the solution (e.g. by a shaker at 20 rpm) is advantageous. Recommended incubation time is 30 – 120 minutes.

For wash procedures suck off the sample dilution and cover with the same amount of fresh Wash and Incubation solution. Shake for 5 minutes. Repeat the washing at least 2 times.

After conjugate incubation wash again at least 3 times. The ready-to-use precipitating substrate solution SeramunBlau[®]prec can be used directly after sucking off the Wash and Incubation Buffer.

6. Symbols used



In vitro diagnostic device



Consult instructions for use



Catalogue number



Temperature limitation



Batch code



Do not reuse



Manufacturer



Use by