

# BioStab Immunoassay Stabilizer

## Product Information

Order Number	Description
56995-1	BioStab Immunoassay Stabilizer, 50 ml Store at 4 -8 °C
56995-2	BioStab Immunoassay Stabilizer, 250 ml Store at 4 -8 °C

This product has been filtered through a 0.22 µm filter. BioStab Immunoassay Stabilizer is a solution in sterile, bidistilled water

## Introduction

With the BioStab immunoassay stabilizer a specially designed ready-to-use solution for the stabilisation of immunoassays is available.

The substances used in the BioStab stabilizer are heat resistant, chemically inert substances, which are isolated from extremophilic organisms. Due to the fact that these substances occur naturally in the cells, these substances are non toxic and harmless for the in vitro use in sciences.

Manufacturing is carried out under high quality conditions, at which each order underlies a quality control. Each batch has been tested on germ-freeness and DNase-, RNase-, Protease-freeness. A certificate of analysis is supplied for each lot.

Due to the use of BioStab Immunoassay Stabilizer the storage capability of immunoassays could be extended to several weeks. BioStab Immunoassay Stabilizer improves the antibody coating, so that in many cases there is an increase of the signal. For example: By the use of peroxidase-conjugated antibodies the signal increased up to 50%. As well you could see a reduction of the „high dose

hook“ effect. This allows a broader range of dynamic performance.

## Applications

Immunoassays like ELISA-tests could be protected against negative influences with the aid of BioStab Immunoassay Stabilizer. The addition of BioStab Immunoassay Stabilizer enables the improvement of the storage capability and the coating of antibodies.

## Methods of use

### Example: Stabilization of adsorbed or immobilised proteins on Mikrowell-plats

1. Immobilise the first protein (antibody or antigen) according to your usual laboratory method. Wash to remove excess or poorly bound protein.
2. Add a sufficient amount of bitop Immunoassay Stabilizer to allow the interaction between the coated protein surface and the stabilizer. For example: If you added 75 µl/well of the primarily protein solution in the first step, you have to add 25 µl/well of bitop Immunoassay Stabilizer. Never let the coated components get dry before you add the stabilizer.
3. Incubate for 15 to 60 minutes at room temperature. Block with the

corresponding solution. This solution should be mixed with bitop Immunoassay Stabilizer in a ratio 1:3.

4. Remove the solution, but do not wash.
5. Afterwards you can handle the plates according to your usual method for long term storage.

## Product safety and handling

This product is considered non-hazardous as defined by the Hazard Communication Standard. Avoid contact with skin and eyes. In case of contact or spillage, clean with copious amounts of water.

**This product is for research only and is not intended for use in human or clinical diagnosis.**

