

Synthetic Blocking Buffer, ELISA

BUFFERS & STABILIZERS

Microwell Blocker

Cat. no. 4520

Product Characteristics

The Synthetic Blocking Buffer, ELISA is a ready-to-use solution for blocking of the remaining free binding sites after microplate coating in ELISAs. The buffer blocks all potential binding sites of nonspecific interaction and reduces the background signal, improving the signal-to-noise ratio.

The Synthetic Blocking Buffer, ELISA reduces the risk of false positive reactions in the assay, while avoiding the current safety hazards related to the use of bovine biological material, for instance BSA.

Composition & Properties

The Synthetic Blocking Buffer is a ready-to-use buffer. The buffer contains no proteins, and cross-reactivity is therefore avoided.

Working Procedure

1. Coat the microtiter plate according to the usual procedure. It is recommended to dilute the biomolecule in a fresh carbonate buffer, pH 9.6.
2. After plate coating, rinse the microwells with 3 x 300 µl PBS buffer.
3. Dispense the Synthetic Blocking Buffer into each well making sure wells are completely full.
4. Incubate for 5-10 minutes at room temperature.
5. Rinse with 3 x 300 µl washing buffer optimized for the assay.
6. Continue the plate processing using the usual procedure.

Tips & Tricks

- In case of a demand for stabilization of coated ELISA plates, our one step blocker & stabilizer, WellChampion® (cat. no. 4900) is recommended.
- For membranes, the Synthetic Blocking Buffer, Blotting (cat. no. 4650) is recommended.

Handling & Storage

- Store solution at 2-8 °C.



Our Immunoassay Solutions are eco-friendly, creating a healthy work environment and preserving natural resources, while helping our customers fulfill significant regulatory requirements. **We call it ECO-TEK.**