

Datasheet for MB-064-0100**ELISA Microwell Blocking Buffer with Stabilizer****Overview**

Description:	ELISA Microwell Blocking Buffer with Stabilizer (Azide and Mercury Free) - MB-064-0100
Item No.:	MB-064-0100
Size:	100 mL
Applications:	ELISA

Product Details

Background:	ELISA Microwell Blocking Buffer with Stabilizer is designed to block microwells coated with antigens, antibodies or other ligands and stabilize the plates for drying. ELISA stabilizer allows the user to dry and store the plates for a minimum of one (1) year without significant loss of signal.
Synonyms:	ELISA Microwell Blocking Buffer with Stabilizer (Azide and Mercury Free)

Target Details

Purity/Specificity:	This product was aseptically filtered through a Millipore 0.22 micron filter into clean, pre-sterilized containers. The product was tested on trypticase soy agar for 24 hours, 48 hours and 72 hours and was found to be negative for bacteria.
Relevant Links:	MB-064 SDS

Application Details

Tested Applications:	ELISA
Application Note:	This product is a "ready-to-use" 1X solution for stabilizing ELISA plates for storage prior to ELISA. After coating with antigen or antibody, wash the contents of the ELISA microwells and add a sufficient volume of ELISA Microwell Blocking Buffer with Stabilizer to each well of the microplate. Let stand for 2h at room temperature. Aspirate contents of each well and allow the plate to dry. Seal the plate and store appropriately for future use. This buffer contains Tris buffered saline and proprietary reagents to block and stabilize ELISA plates. A proprietary combination of stabilizers and preservatives are used that is azide and mercury free.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: User Optimized

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1X

Buffer: See application note.

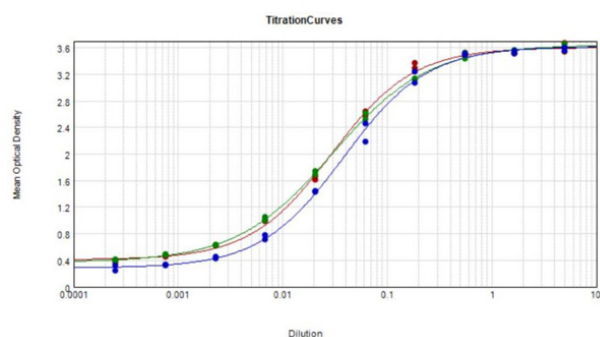
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Store container at 4° C before opening. Protect from moisture and light. No special shipping conditions or precautions are required.

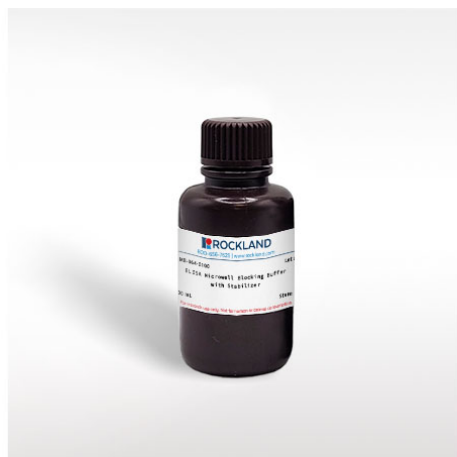
Expiration: Expiration date is one (1) year from date of receipt.

Images

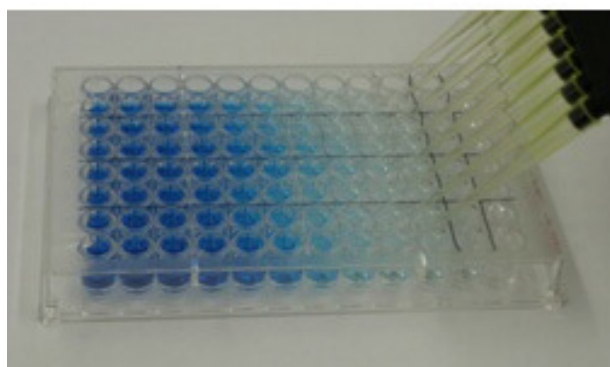


ELISA

ELISA results of ELISA Microwell Blocking Buffer with Stabilizer (Azide and Mercury Free) (p/n MB-064). Each well was coated in duplicate with 1.0 µg of Mouse IgG Whole Molecule. Blocking Buffer (p/n MB-064, lot#35968) (Red), Blocking Buffer reference lot# (Green), and Blocking Buffer control lot# (Blue). The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using Rabbit Anti-Mouse IgG, Goat anti-Rabbit HRP 1:8500, and TMB substrate.

**Bottle**

ELISA Microwell Blocking Buffer with Stabilizer (Azide and Mercury Free)

**ELISA**

Rockland Immunochemicals produces a wide variety of buffers and substrates for use in ELISAs. Antigen was diluted in ELISA Microwell Coating Stabilizer (p/n MB-063-0100) added to the microwell plate and incubated overnight at 4°C. The plate was then blocked with ELISA Microwell Blocking Buffer with Stabilizer (p/n MB-064-1000) for 2 hours. The primary antibody was diluted in PBS Fish Gel Concentrate (1:10)(p/n MB-066-0100), added to the plate, and allowed to incubate 1 hour at room temperature. HRP conjugated secondary antibody was diluted in HRP Conjugate Stabilizer (p/n MB-060-0100), added to the plate, and allowed to incubate for 30 minutes at room temperature. TMB ELISA Peroxidase Substrate (p/n TMBE-1000) was added to the plate and allowed to incubate for 30 minutes at room temperature. The reaction was then stopped with 1M HCl and read at 450nm.

References

- Shuhong Luo et al. Quantitative Detection of Anti-SARS-CoV-2 Antibodies Using Indirect ELISA. *Lab Med.* (2022)
- García, MF et al. (99m)Tc-bioorthogonal click chemistry reagent for in vivo pretargeted imaging. *Bioorganic & Medicinal Chemistry* (2016)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.