

Certificate of Analysis

Product: FemtoMax™ Super Sensitive Chemiluminescent HRP Substrate for Microwell and/or Membrane

Code: FEMTOMAX-110

Lot # 23533AB

Size: 110 ml (Two Components: 1 x 55 ml Super Sensitive Luminol Reagent + 1 x 55 ml Reaction Buffer)

Physical State: Clear, colorless, odorless liquid.

Storage Conditions: Store vial at 4° C prior to opening. Store product in original containers. Protect from light. The mixture of the two components is stable for several hours at room temperature when protected from light. Expiration date is one (1) year from date of receipt. No special shipping conditions or precautions are required.

Background: FemtoMax™ Super Sensitive Chemiluminescent HRP Substrate is an extremely sensitive, nonradioactive, enhanced luminol-based chemiluminescent substrate for the detection of horseradish peroxidase (HRP). FemtoMax™ is designed for both western blotting and enzyme immunoassay (EIA) use. FemtoMax™ easily allows for the detection of femtogram (10^{-15}) amounts of antigen using photographic film or other imaging methods, including highly sensitive CCD cameras. Blots can be repeatedly exposed to X-ray film to obtain optimal results or stripped of detection reagents and re-probed. Use the same blotting conditions for FemtoMax™ as you would when using Amersham ECL Plus™ Substrate or Pierce SuperSignal® West Femto Substrate.

Application Note(s): Prepare FemtoMax™ Super Sensitive Chemiluminescent HRP Substrate for use in microwell or membrane applications by mixing 1 mL of Luminol Reagent (Reagent A) with 1 mL of Reaction Buffer (Reagent B). Mix well. Protect from light. Larger or smaller volumes of the substrate can be prepared by mixing components at the same 1:1 ratio. FemtoMax™ Super Sensitive Chemiluminescent HRP Substrate is a highly sensitive detection reagent. Always carefully optimize all components of individual assays (antigens, antibodies, conjugates...) to minimize background reactivity associated with non-specific binding.

Related Products:

#PICOMAX-110	PicoMax™ Sensitive Chemiluminescent HRP Substrate for Microwell and/or Membrane
#610-103-121	Peroxidase Conjugated Affinity Purified Anti-MOUSE IgG (H&L) (GOAT) MX10
#611-103-122	Peroxidase Conjugated Affinity Purified Anti-RABBIT IgG (H&L) (GOAT) MX10
#B501-0500	BLOTTO (500 g)
#BSA-30	30% BOVINE SERUM ALBUMIN SOL'N in 0.85% sodium chloride (no preservative or stabilizer) (500 ml)
#B304	NORMAL GOAT SERUM (NGS) (10 ml)
#MB-070	Blocking Buffer for Fluorescent Western Blotting

Note: 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 326, Gilbertsville, Pennsylvania, USA.