

Certificate of Analysis**Product:** 10X HDAC Assay Buffer**Code:** MB-068-0020**Lot #** 9999652**Size:** 20 ml**Physical State:** Liquid (sterile filtered)

Background: Histone deacetylases (HDACs) are typically found in multiprotein complexes and are tightly regulated by subcellular localization, phosphorylation, and likely by other mechanisms. HDAC assays allow the determination of deacetylase activity and provide accurate activity information that is reflective of endogenous regulation. HDAC Assay Buffer is typically employed with appropriate standards and controls.

Buffer Composition: Diluted (1X) HDAC Assay buffer consists of 25 mM Tris Cl, 137 mM NaCl, 2.7 mM KCl and 1.0 mM MgCl₂ at pH 8.0.

Application(s): 10X HDAC Assay Buffer is suitable for use in most commercially available colorimetric or fluorimetric HDAC assays.

Recommended Dilution(s): This product is a 10X concentrated stock solution. Prepare a 1X working solution by diluting 1 part 10X concentrate with 9 parts distilled-deionized water or equivalent.

Storage Conditions: Store container at -20° C before opening. Expiration date is six (6) months from date of receipt if properly handled and stored.

Sterilization: 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.

Related Products:

# W09-001-367	HeLa Cell Nuclear Extract
# 600-401-879	Affinity Purified Anti-HDAC-1 (Rabbit)
# 611-103-122	HRP Conjugated Affinity Purified Anti-RABBIT IgG (H&L) (GOAT) MX10
# B501-0500	500 g BLOTTO
# B304	10 ml NORMAL GOAT SERUM (NGS)
# 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.

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