



Product Specification

Product Name: **Enhanced Universal IHC Diluent/Blocker/Stabilizer**

Product Code: **#UDBS-E**

Lot Number: 454283

Storage: +2°/+8°C (recommended), protect from light

Expiration date: 03/2026

Appearance: transparent to translucent/opalescent white/yellowish colloidal liquid,
0.2/0.45µm-filterable

(Phospho)protein content: ~1% (w/v, process-determined)

pH: 7,2 - 7,4

Preservative/microbicide: 5-Bromo-5-nitro-1,3-dioxane, 1000 ppm

QC release (ELISA-based blocking/boosting activity use test): Passed

Description and recommended use: UDBS-E is a universal reagent recommended for diluting and storing of primary antibodies and secondary antibody conjugates with HRP in a ready-to-use format. It can be used for further diluting of AmpliStain™ conjugates (supplied in Ready-to-Use RESERVE™ format) thus reformatting them into smaller working strength concentrations where economical IHC staining is preferred over very high sensitivity when detecting well accessible and/or abundant antigens.

UDBS-E contains approved non-toxic broad spectrum IVD preservative/microbiocide (BND), filterable IgG free casein colloid as an efficient blocker of "amorphous" protein-protein NSB, peroxidase and general protein stabilizers and antioxidants. UDBS-E will support stability of the working strength IHC reagents over two years at +4°C and also longer time (up to 12 months) at ambient/room temperature (<25°C in the dark) making them robust and consistent in performance when running daily immunostaining work.

UDBS-E has the same formula as UDBS that is extra added with an enhancer enabling stronger detection. This practically gives a possibility of using lower working strength concentrations of diluted in UDBS-E primary antibodies and larger, if wanted, dilution of AmpliStain™ conjugates.

UDBS-E does not contain animal serum components. Should extra immunoglobulin block improve IHC test performance with your given primary antibody apply block using normal goat or horse serum at ~10%.

NOTE: This product is for *in vitro* research or further IVD manufacturing use only. We recommend using UDBS-E per se, modifications as further diluting, etc. are not recommended.