



Certificate of Analysis

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Next Generation Buffer-I

Assay diluent for reducing nonspecific binding, cross-reactivities and matrix effects in immunoassays

Catalog No	NGB-001-0250
Lot No	N134587436
PH	8.0
Storage	2-8°C
Expiration	After receiving, 12 months for unopened and 6 months for opened

Fields of application

ELISA, IHC, Western Blot and Protein Array.

Instructions for use

- *Next Generation buffer I* reduces low-affinity bindings and offers a smooth reduction of non-specific signal. Thus it fits the immunoassay that capture and detection reagents have moderate binding affinity to analyte ($K_d > 10^{-7}$ M). In the assay, the specific signal is not depressed.
- When the capture and detection reagents have high binding affinity to analyte ($K_d < 10^{-10}$ M), *Next Generation buffer II, III* are recommended.

Quality Control

Quality System Department Date: 21-Dec-2020

Laboratory reagent for in vitro research use. Not for use in diagnostic procedures.