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Datasheet for ABTS-100

ABTS ELISA Peroxidase Substrate

Overview

Description:	ABTS ELISA Peroxidase Substrate - ABTS-100
Item No.:	ABTS-100
Size:	100 mL
Applications:	ELISA

Product Details

Background:	ABTS (2,2'-Azino-bis(3-ethylbenzothiazoline-6-sulfonic acid)) is a colorimetric substrate suitable for peroxidase (HRP) enzyme labeling, producing a green color upon oxidation that is measurable at 405-410 nm. ABTS is preferred for applications requiring a soluble end product and is compatible with both plate readers and spectrophotometers.
Synonyms:	2,2'-azino-bis(3-ethylbenzothiazoline-6-sulphonic acid), ABTS ELISA Peroxidase Substrate, colorimetric substrate

Target Details

Purity/Specificity:	pH: 4.0 +/- 0.05 Stability @ 18° to 26°C: PASS Stability @ 4°C: PASS QC Raw Material: PASS Absorbance check of final product: PASS Performance Data per ELISA: PASS
Relevant Links:	• ABTS-100 SDS

Application Details

Tested Applications:	ELISA

Application Note:	ABTS ELISA Peroxidase Substrate is a ready to use substrate - No dilution required. Read absorbance of blue green color at 405 nm. The color formation as a function of time can be recorded at intervals or the reaction may be stopped by addition of acid after 30 mins. A 0.625 Mol L-1 Oxalic Acid stop solution is recommended, color is stable for 1hr.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1X

Formulation

Physical State:	Liquid - clear to very pale green
Concentration:	1X
Stabilizer:	Proprietary buffer with enhancer

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store container at 4° C prior to 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

Bottle
ABTS ELISA Peroxidase Substrate

References

- Damek-Poprawa M et al. Localization of Aggregatibacter actinomycetemcomitans cytolethal distending toxin subunits during intoxication of live cells. *Infect Immun.* (2012)
- Xynogala I et al. Evaluation of the humoral immune response to the cytolethal distending toxin of Aggregatibacter actinomycetemcomitans Y4 in subjects with localized aggressive periodontitis. *Oral Microbiol Immunol.* (2009)
- Cao L et al. Role of Aromatic Amino Acids in Receptor Binding Activity and Subunit Assembly of the Cytolethal Distending Toxin of Aggregatibacter actinomycetemcomitans. *Infect Immun.* (2008)
- Cao L et al. Characterization of point mutations in the cdtA gene of the cytolethal distending toxin of Actinobacillus actinomycetemcomitans. *Mol Microbiol.* (2005)
- Cohen RA et al. Nasal secretory response to allergen provocation. *Clin Allergy.* (1988)

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