



# SZABO SCANDIC

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## Produktinformation



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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet for ABTS-100

## ABTS ELISA Peroxidase Substrate

### Overview

|                      |  |
|----------------------|--|
| <b>Description:</b>  | ABTS ELISA Peroxidase Substrate - ABTS-100 |
| <b>Item No.:</b>     | ABTS-100                                   |
| <b>Size:</b>         | 100 mL                                     |
| <b>Applications:</b> | ELISA                                      |

### Product Details

|                    |  |
|--------------------|--|
| <b>Background:</b> | 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. |
| <b>Synonyms:</b>   | 2,2'-azino-bis(3-ethylbenzothiazoline-6-sulphonic acid), ABTS ELISA Peroxidase Substrate, colorimetric substrate   |

### Target Details

|                            |  |
|----------------------------|--|
| <b>Purity/Specificity:</b> | pH: 4.0 +/- 0.05<br>Stability @ 18° to 26°C: PASS<br>Stability @ 4°C: PASS<br>QC Raw Material: PASS<br>Absorbance check of final product: PASS<br>Performance Data per ELISA: PASS |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li><a href="#">ABTS-100 SDS</a></li></ul>   |

### Application Details

|                             |       |
|-----------------------------|-------|
| <b>Tested Applications:</b> | ELISA |
|-----------------------------|-------|

|                          |  |
|--------------------------|--|
| <b>Application Note:</b> | 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. |
| <b>Assay Dilutions:</b>  | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.  |
| <b>ELISA:</b>            | 1X   |

## Formulation

|                        |                                   |
|------------------------|-----------------------------------|
| <b>Physical State:</b> | Liquid - clear to very pale green |
| <b>Concentration:</b>  | 1X                                |
| <b>Stabilizer:</b>     | Proprietary buffer with enhancer  |

## Shipping & Handling

|                            |  |
|----------------------------|--|
| <b>Shipping Condition:</b> | Ambient  |
| <b>Storage Condition:</b>  | Store container at 4° C prior to opening. Protect from moisture and light. No special shipping conditions or precautions are required. |
| <b>Expiration:</b>         | 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)

## Disclaimer

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