



ABTS Substrate, Powder

Cat. No.	Format	Size
0202-01	Powder	500 mg

Overview

Technical Name	2,2'-Azino-bis(3-ethylbenzthiazoline-6-sulfonic acid)
Reaction Product	Produces a soluble, blue-green end product upon reaction with horseradish peroxidase (HRP) that is measurable between 405 nm and 410 nm

Applications

ELISA ¹⁻⁷

Product Use

- Substrate buffer - To 50 mL of distilled water, add 525 mg citric acid. Adjust pH to 4.0 with 3 N NaOH. Prepare before each use.
- Substrate solution - Dissolve 15 mg ABTS powder in 1.0 mL of distilled water and store at 2-8°C protected from light. Just prior to use, add 200 µL ABTS solution and 10 µL of 30% H₂O₂ to 10 mL substrate buffer.
- Reaction may be stopped with 1% sodium dodecyl sulfate (SDS)

Handling and Storage

- Recommended storage is at 2-8°C.
- Protect from light. Reagent is stable for the period shown on the label if stored as directed.

References

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2. Bohnsack JF, Takahashi S, Hammitt L, Miller DV, Aly AA, Adderson EE. Genetic polymorphisms of group B streptococcus scpB alter functional activity of a cell-associated peptidase that inactivates C5a. Infect Immun. 2000;68:5018-25. (ELISA)
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