

Product number:

ABTS-0100-01 (100 mL)
ABTS-1000-01 (1000 mL)

Intended use:

BioFX® ABTS One Component HRP Microwell Substrate - Extended Shelf Life contains 2,2'-azino-bis(3-ethylbenzthiazoline-6-sulfonate acid) in a mild acidic buffer. The substrate is supplied as a one component, ready-to-use solution. Unreacted substrate should be colorless to very light green in appearance. A soluble blue-green reaction product is obtained when this substrate system is reacted with horseradish peroxidase.

Product stability, storage and specifications:

Product stability	3 years from the date of manufacture.
Storage	Storage is recommended at 2-8°C. The product should be protected from light.
Specification	Color should be read at 405-410 nm.

Recommendations for use:

The product should be allowed to reach room temperature (25°C) prior to use.

- 1) For immunoassay microwell applications, 100 µl of substrate solution is added to each well producing a soluble, blue-green product.
 - Color development time can range between 10-40 minutes depending on the assay.
 - It is recommended that development time be optimized for your particular assay conditions.
- 2) For best results, sample absorbance values should be monitored and read before absorbance values exceed 2.0 OD units.
 - Sample OD values can be read with or without the addition of stop solution in the 405-410 nm range.
 - The substrate reaction can be stopped using equal volumes of 1% of sodium dodecyl sulfate (SDS) or the 405/410 nm Stop Solution for ABTS Microwell Substrate (ABSS).

Additional considerations:

Dilution of the substrate is not recommended. It is recommended that the antibodies or conjugates be diluted to reduce the intensity of the reaction.

The product is not recommended for membrane or IHC applications that require a precipitating reaction product.

Related Products:

StabilZyme® HRP Conjugate Stabilizer (SZ02)

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