

Product number:

ABTS-1000-01 (1000 mL)
ABTS-0100-01 (100 mL)
Custom Sizes Available

Product use:

BioFX™ ABTS One Component HRP Microwell Substrate contains 2,2'-azino-bis (3-ethylbenzthiazoline-6-sulfonic 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 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 650 nm Liquid Stop Solution for TMB Microwell Substrates (LBSP).

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.

For technical assistance, email ivdtechsupport@surmodics.com

Related Products:

In-Solution Protein Stabilizers & Diluents:
StabilZyme™ HRP Conjugate Stabilizer (SZ02)
StabilZyme™ SELECT Stabilizer (SZ03)
StabilZyme™ NOBLE Stabilizer (SZ04)
StabilZyme™ Protein Free Stabilizer (SZPF)
Surmodics™ Assay Diluent (Protein-Free) (SM01)
MatrixGuard™ Diluent (SM02)
Blockers/Stabilizers:
StabilGuard™ Immunoassay Stabilizer-BSA-Free (SG01)
StabilCoat™ Immunoassay Stabilizer (SC01)
StabilBlock™ Immunoassay Stabilizer (ST01)
TMB Stop Solutions:
BioFX™ 450 nm Liquid Nova-Stop Solution for TMB Microwell Substrates (NSTP)
BioFX™ 450 nm Liquid Stop Solution for TMB Microwell Substrates (LSTP)
BioFX™ 450 nm Stop Reagent for TMB Microwell Substrates (STPR)
BioFX™ 650 nm Stop Reagent for TMB Microwell Substrates (BSTP)
BioFX™ 650 nm Liquid Stop Solution for TMB Microwell Substrates (LBSP)

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