

## Super AquaBlue ELISA Substrate

Catalog Number: 00-4203

**RUO: For Research Use Only. Not for use in diagnostic procedures.**

### Product Information



**Contents:** Super AquaBlue ELISA Substrate

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**Temperature Limitation:** Store at 2-8°C.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

### Description

eBioscience's new Super AquaBlue ELISA Substrate is an enhanced ABTS (2,2'-azino-bis-(3-ethylbenzthiazoline-6-sulfonic acid)) substrate solution for ELISA which provides high signal and sensitivity, low background. It is safe, stable, and extremely convenient to use. Like conventional ABTS substrate solutions, eBioscience's new Super AquaBlue ELISA Substrate is oxidized by horse-radish peroxidase (HRP) - labeled probes resulting in a soluble, blue-green colored end product, whose absorption is measurable by spectrophotometer at 405 nm.

Unlike other ABTS solutions, Super AquaBlue ELISA Substrate is highly sensitive, extremely stable (18 months at room temperature or 24 months at 4°C). It is engineered for convenience as a single component (no additional H<sub>2</sub>O<sub>2</sub> or other components are necessary).

Super AquaBlue ELISA Substrate is suitable for endpoint reactions, but is also ideal for kinetic assays; stopping the reaction with acid stop solution does not change the color or absorption properties of the blue-green end product.

### Applications Tested

Super AquaBlue ELISA Substrate is tested as a substrate for ELISA, with horse-radish peroxidase as the activating enzyme, yielding a soluble blue-green colored endproduct, which can be read spectrophotometrically at 405 nm.

1. Complete all antibody and HRP labeled reagent incubations.
2. Wash ELISA plate 4 times with PBS/Tween.
3. Decant and blot ELISA plate.
4. Add 100 µL of ABTS Substrate Solution to each well and incubate at RT. Absorption (OD 405 nm) can be read and re-read over time to identify optimal color development.
5. If desired, the color reaction can be stopped by addition of 100 µL of 0.625 M oxalic acid. This does not alter the color or absorption spectrum of the blue-green colored end-product.

### Related Products

00-4202 5X ELISA/ELISPOT Diluent 150mL

18-4100 eBioscience™ Avidin HRP

44-2404 Nunc MaxiSorp® flat-bottom

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