



ABTS PEROXIDASE SUBSTRATE

595-419-A	-	12ml
595-419-B	-	250ml
595-419-C	-	500ml
595-419-D	-	1000ml
595-419-E	-	4000ml

Store at 2-8°C
For Research Use Only

DESCRIPTION

ABTS Peroxidase Substrate develops a blue-green product when reacted with horseradish peroxidase labeled conjugates in microwell plates or tubes. The expected appearance of the solution is colorless to light green. Acceptable background absorbance of unreacted substrate is ≤ 0.025 , as measured at 405nm. ABTS Peroxidase Substrate is not suitable for membrane or immunohistochemical staining.

FORM/STORAGE/STABILITY

- 595-419-A contains 12ml of ABTS Peroxidase Substrate
- 595-419-B contains 250ml of ABTS Peroxidase Substrate
- 595-419-C contains 500ml of ABTS Peroxidase Substrate
- 595-419-D contains 1000ml of ABTS Peroxidase Substrate
- 595-419-E contains 4000ml of ABTS Peroxidase Substrate

CONTENT

ABTS contains 2,2'-azino-di (3-ethylbenzthiazoline-6-sulfonate) at a concentration of 0.3g/L in a glycine/citric acid buffer. The H_2O_2 concentration is 0.01%.

USE

Warm to room temperature before use. Solution is ready to use.

Substrate Development: Following incubation with peroxidase labeled conjugate, wash plate thoroughly. Add 100uL substrate solution to each well. As the color develops, tap gently to mix. Incubation times will vary depending on your assay.

To Stop Reaction: Stop reaction by adding an equal volume of XpressBio's Stop Solution (see RELATED PRODUCTS), or 1% Sodium Dodecyl Sulfate (SDS) to the microwell plate. This will halt color development. ABTS substrate will remain blue-green after addition of stop solution.

To Read Reaction: After stopping, read at a wavelength between 405-410nm. Stopped reaction should be read within 30 minutes.

When to Stop Substrate Reaction: The point at which the substrate reaction is stopped is often determined by the ELISA reader. The O.D. values of the plate should be monitored and the reaction stopped before positive wells are no longer recordable.

To Reduce Substrate Intensity: Background is a sign of over-reaction with ABTS. To reduce the intensity of the substrate reaction, further dilution of the primary antibody and/or conjugate is recommended. Dilution of the substrate is not recommended.

ABSORBANCE MEASUREMENTS

Kinetic Assays:

ABTS Substrate produces a blue-green color upon reaction with peroxidase. Read at a wavelength between 405-410nm.

Endpoint Assays:

The addition of 100ul (or an equal volume) of stop solution to the microwell plate will halt color development. Read at a wavelength between 405-410nm. Stopped reactions should be read within 30 minutes.

RELATED PRODUCTS

• XpressBio Stop Solution	595-416 (5ml)
• XpressBio Wash Buffer	827102 (60ml)
• XpressBio Diluent	595-413 (30ml)
• XpressBioZyme HRP Conjugate Diluent and Stabilizer	595-111-A (5x1ml)

Procedural Notes

1. Review the complete instructions before performing the test.
2. This product is for research use only and is not intended for diagnostic use. The information above is believed to be accurate. However, said information and product are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.

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