

## ABTS Soluble Reagent (Aqueous)

**Description:** This liquid substrate for peroxidase consists of 2,2'-Azinodi 3-Ethyl Benzthiazoline Sulfonic (ABTS) plus dilute hydrogen peroxide in a single-reagent stabilized form. The reagent has been specifically formulated for measuring peroxidase in ELISA systems. This reagent is stable for long-term storage.

Form:	2,2'-Azinodi 3-Ethyl Benzthiazoline Sulfonic
Contents:	ABTS in an aqueous buffer, pH 4.0 ± 0.2. Hydrogen peroxide 0.03%.
Activating Agents:	Peroxidase
Light Sensitivity:	Negligible for short exposure times.
Peak Wavelengths:	405 nm, unstopped, blue/green reaction product. 405 nm, stopped, blue/green reaction product.


**Uses:** ELISA


**Limitations:** Do not use past expiration date.  
Do not expose to light.  
Do not pour unused reagent back into container.


### Availability:

<u>REF #</u>	<u>Volume</u>
ABT125	125 ml
ABT500	500 ml
ABT999	1000 ml
ABT-10000	10 liters
ABT-20000	20 liters
ABT-50000	50 liters
ABT-100000	100 liters

**Storage:** Store ABTS solution at 2 - 8°C.  
Reagents are stable for at least 18 months when stored at 2 - 8°C.  
Avoid contamination of reagents with labware which has not been thoroughly cleaned.

Storage: 2° C  8° C

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**Procedure:**

Reaction Volume:	50 - 100 ul per well in microtiter plates
Reaction Time:	Approximately 20 minutes (Range 10 - 60 min.)
Reaction pH:	Approximately 4.0
Reaction Temperature:	Room temperature
Stopping Solution:	Equal volume of ABTS Stop Buffer (0.625 M oxalic acid).
Reaction Stability:	Stopped reactions are stable for at least 30 minutes to several hours depending on the level of peroxidase activity.

**Precautions:** Do not expose reagents to strong light.  
Keep bottle tightly capped.  
Do not pipet reagents by mouth.  
Avoid contact with skin and eyes.  
In case of contact, flush with plenty of water.  
Dispose of reagents according to local regulations.  
If disposed of in the sink, flush with plenty of water.

Storage: 2° C



8° C



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