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Product Information

2,2'-AZINO-BIS(3-ETHYLBENZTHIAZOLINE 6-SULFONIC ACID) TABLETS

Product No. **A 9941**

Product Description

2,2'-Azino-bis(3-Ethylbenzthiazoline-6-Sulfonic Acid) is a chromogen suitable for use in ELISA procedures which utilize horseradish peroxidase conjugates. This substrate produces a soluble end product that is green in color and can be read spectrophotometrically at 405 nm.

Substrate Content	10 mg
Appearance	Green, round tablet, 5/32" in diameter
Tablet Weight	35 mg (range 31.5 - 38.5 mg)
Solubility*	Clear, colorless to a clear, light green solution
Dissolution Time*	Not more than 5.0 minutes
pH	5.0 (range 4.2 - 5.8) in 100 ml deionized water
Activity	100% (range 90 - 110%)
Packaging	50 or 100 tablets per box individually foil-wrapped for ease of use, storage and safety.

* One tablet dissolved in 100 ml of deionized water.

Recommended Usage

Dissolve 1 tablet in 100 ml of 0.05 M phosphate-citrate buffer, pH 5.0 (Tablets available as Product No. P4809). Add 25 µl of fresh 30% hydrogen peroxide (Product No. H1009) immediately prior to use. or Dissolve 1 tablet in 100 ml of 0.05 M phosphate-citrate buffer, pH 5.0, containing 0.03% sodium perborate (phosphate-citrate buffer capsule containing sodium perborate available as Product No. P4922).

Buffer Preparation

To prepare 0.05 M phosphate-citrate buffer, pH 5.0: Add 25.7 ml of 0.2 M dibasic sodium phosphate (Product No. S0876) to 24.3 ml of 0.1 M citric acid (Product No. C7129), QS to 100 ml with deionized water. Adjust pH to 5.0, if necessary.

Custom packaging and bulk purchase information available upon request.

Storage

Store at room temperature.

References

1. Gallati, V.H., Clin. Chem. Biochem., **17**, 1 (1979).
2. Porstmann, B., J. Clin. Chem. Biochem., **19**, 435 (1981).

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