

Product information

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DNA, RNA-EZ P (EB-Be-Gone) Solution

Catalog #: EE4203
Size: 1 PK
Storage: 2~8°C*

*: Check storage conditions. Components have a one year expiration from time of purchase.

Product Description:

Ethidium Bromide (EtBr), commonly used in research laboratories as a stain for the visualization of nucleic acids in electrophoresis gels, is a toxic chemical and a potent mutagen. When used in nucleic acid staining, ethidium bromide fluoresces a red-orange to pink color under ultraviolet light and with increased fluorescence when bound to double-stranded DNA. While it is not specifically regulated as a hazardous waste, the mutagenic properties may present health hazards and disposal concerns if it is not managed properly in the laboratory.

The EB-Be-Gone kit is designed for disposal of EB from EB contaminated solutions or surface. This kit uses a chemical method to destroy the structure of Ethidium Bromide, and reduces the mutagenicity is greatly reduced to less than 1%. The solution can be discarded directly after treatment.

Features:

- High Efficiency. Completely eliminate the fluorescence of EB.
- Versatile. Suitable for disposal of EB from stock solution, electrophoresis buffer, and EB contaminated surface.
- Simple. Easy-to-follow protocol.

Composition:

EB-Be-Gone A	10 ml
EB-Be-Gone B	20 ml
Protocol	1

Storage:

Transportation and storage at room temperature (2-8°C). Valid for 1 year.

Protocol:

1. Mix the EB-Be-Gone A, EB-Be-Gone B and distilled water at a ratio of 1:2:30 to make a working solution.
2. Dilute the EB contaminated solution to an EB lower than 0.5 mg/ml.
3. Add 1/4 volume of EB-Be-Gone A & B mixture to the contaminated solution, stir overnight at fume hood.
4. Add 1/10 volume of saturated Sodium Bicarbonate solution to neutralize pH and mix thoroughly.
5. The solution can be discarded directly.



PRODUCTS ARE INTENDED FOR BASIC SCIENTIFIC RESEARCH ONLY.
 NOT INTENDED FOR HUMAN OR ANIMAL USE.