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QBioGene

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Certificate of Analysis

Product: EtBr Green Bag Disposal Kit
Catalog No.: 2350-200
Lot No.: 5868

Recommended Use:
One bag has the capacity to remove 10 mg of Ethidium Bromide from solutions. Each kit can remove a total of 500 mg of Ethidium Bromide.

Storage:
Kits are shipped at ambient temperature. Store at room temperature. Keep away from moisture.

Quality Assurance Information

All MP Biomedicals products are thoroughly tested to ensure reliable results in the laboratory. The following paragraphs describe preparation and quality control procedures.

EtBr Green BagTM Kit:

Each EtBr Green Bag™ contains a standard amount of activated material that will safely and easily concentrate Ethidium Bromide from large liquid quantities. The bags containing the biohazardous material can then be disposed of in a proper container.

QC Testing Procedure:

The testing procedure utilizes the intercollation of Ethidium Bromide into DNA and its illumination under ultraviolet light. One EtBr Green Bag™ is added to 250ml of 40g/ml test solution of Ethidium Bromide. After stirring for 4 hours, 25 l containing 25 g of sonicated salmon sperm DNA is combined with 500 l of test solution. 20 l of that solution, containing approximately 1g of DNA, is used for the test. The concentration of Ethidium Bromide in the test solution is verified to be less than 200 ng/ml by spotting samples, along with controls, on a transilluminator and using spot density comparisons. This corresponds to the removal of 99.5% of the 10mg of Ethidium Bromide in the original solution.

03/20/2009 - Robert Beattie
QBioGene/MP Biomedicals, LLC
Technical Director

MSDS available online at www.mpbio.com