

EtBr GreenBag™ Disposal Kit

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EtBr from liquids with each of 50
small “tea bags”*

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Application Manual

Revision # 2350-200-4A22

Product Description	Size	Cat #.
EtBr GreenBag™ Disposal Kit	50 preps	2350-200

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1. Introduction

The EtBr GreenBag™ Kit allows rapid and trouble-free concentration of ethidium bromide from large volumes of solutions into a small “tea bag” which is then conveniently disposed along with other solid hazardous wastes. One kit has the capacity to remove 500 mg of EtBr from solutions (10 mg EtBr/bag), enough to satisfy the requirements of most laboratories for a year.

Ethidium bromide solutions used for visualizing DNA and RNA on gels are generally colorless. However, these solutions are still harmful as described in standard protocols and verified by the Ames II Mutagenicity Assay. The effectiveness of the EtBr GreenBag™ Disposal Kit in decontaminating such solutions has been shown by background mutagenic effect observed when tested using the Ames II assay. Additionally, colored EtBr waste solutions recovered from cesium chloride banding of plasmid DNA are rendered colorless upon decontamination with an EtBr GreenBag™.

2. Kit Components

<u>Cat. #</u>	<u>Description</u>	<u>Quantity</u>
2350-200	EtBr GreenBag™	50 preps
n/a	Filters	5

3. Safety Precautions

Ethidium bromide is a potent mutagen. Please wear gloves and use proper precaution.

4. Shipping and Storage

The EtBr GreenBag™ Kit is shipped and stored at ambient temperature.

5. EtBr GreenBag™ Disposal Kit Protocol

1. Place a GreenBag™ in solution containing ethidium bromide (in a flask or large beaker). Use one GreenBag™ for each 10 mg of ethidium bromide.
2. Shake container overnight at approximately one revolution/second (faster speeds can damage the GreenBag™). If a stir plate is used with a magnetic stir bar, make certain the stir bar does not contact the GreenBag™ as this can rupture the GreenBag™.
3. Discard the ethidium bromide-depleted aqueous liquid in a drain. If any solid particles have come out of the bag, or if the bag was damaged, filter the liquid through one of the filters provided by placing the filter in a funnel and pouring the liquid through the filter into the drain.
4. Discard used GreenBags™ and filters in a solid hazardous waste container.

6. Related Products

<u>Cat. #</u>	<u>Description</u>	<u>Quantity</u>
1102-200	GENECLEAN® Turbo Kit	50 preps
1102-400	GENECLEAN® Turbo Kit	100 preps
1001-600	GENECLEAN® III Kit	600 preps
1001-400	GENECLEAN® II Kit	300 preps
1001-200	GENECLEAN® Kit	200 preps

7. Product Use Limitation & Warranty

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