

Elchrom™ Scientific **Bind-ET™** Ethidium Removal System



The **simplest and safest** way to dispose of Ethidium Bromide.

Elchrom™ Scientific introduces **Bind-ET™**, an on-site removal system for ecologically responsible disposal of Ethidium Bromide:

- **Highest capacity** – removes 2 g of EtBr, purifies 4000 l of EtBr solution.
- **Ecological and safe** – binds 100% EtBr from the solution, no contamination on the bench.
- **Easy handling** – closed system, no filtration, no pumps and no additional equipment.
- **Economical** – saves more than 60 % on disposal costs.
- **No toxic liquid waste stream** – resulting aqueous solution can be treated as non-toxic waste water.



Elchrom Scientific

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Ethidium bromide (EtBr) has found a broad application in molecular biology as a non radioactive marker to identify and visualize DNA. EtBr is toxic and strongly mutagenic and consequently should not be released into the environment. Solutions containing EtBr have to be pretreated before they can be released into a sewage system.

Bind-ET™ is a closed system which removes EtBr from aqueous solutions in the simplest and cheapest way possible. The heart of this new device is an ion exchange column with a capacity of more than 2 g of EtBr. This amount corresponds to the quantity of ethidium bromide solution used by one average laboratory in one year; more than 4000 l of a typical gel electrophoresis buffer or dye solution (0.5 mg/ml) is purified with one cartridge.

The ethidium bromide solution to be disposed of is simply poured into the upper trough of Bind-ET™. The solution flows through the column at a rate of 3 l/h. EtBr is chemically bound to the resin and completely retained. The aqueous solution issuing from the column contains no EtBr and can be treated as nontoxic water waste. The cartridge is closed with plastic caps when finished and can be treated as regular laboratory waste for incineration.

A closed system removing 100 % EtBr from aqueous solutions. Simple enough for anyone to use, safe and environmentally sound.

Ordering

P/N	Product	Quantity
2350	Bind-ET™ with cartridge	1
2351	Replacement cartridge for Bind-ET™	1

Contact

Elchrom Scientific
Cham, Switzerland
E-Mail service@elchrom.com
Fax +41 41 743 25 36
Phone +41 41 747 25 50

For detailed information visit
www.elchrom.com