

Bind-It™ Decontaminants

The most effective tools for radioactive Iodine Removal



Eliminate Radioactive Iodine Contamination

- ✓ The most effective at removing radioactive iodine
- ✓ Decontaminates fume hoods
- ✓ Cleans outgoing packages, syringes, capsule containers
- ✓ Non-Corrosive
- ✓ Bind-it™ Hand soap is gentle, yet very effective
- ✓ Ensures Safety
- ✓ Safely cleans delicate NaI(tl) wells, thyroid probes etc.
- ✓ Anti-bacterial and economical



Made with Pride in the U.S.A

Since 1983, LTI has been a leading gamma counter manufacturer with the Genesys Series. We've earned a worldwide reputation for the quality, accuracy and day to day reliability of our products. Nuclear medicine departments across the country use our Wiper™ and Multi-Wiper™ wipe counters.

Bind-it™ Decontaminant

Bind-It™ Decontamination Fluid has a unique affinity for radioactive iodine. This strong ionic attraction binds the iodine and suspends it in solution so that when combined with water it becomes a sudsing cleaner that "lifts" residual iodine off surfaces so it can be easily wiped away.

Bind-It™ Decontamination Fluid also contains an antibacterial agent for further safety. Bind-It™ Decontamination Fluid is safe for use on delicate well counter detectors, thyroid probes, survey meters and gamma camera heads.

The Bind-It™ products consist of concentrated cleaner and hand soap designed specifically for the removal of radioactive iodine.

Bind-It™ is different than other radioactive decontaminants. Other decontaminants are designed to remove a wide array of isotopes. Most isotopes are electrically positive. Iodine is different, being electrically negative. As such, most radioactive cleaners actually REPEL, rather than bind and remove iodine. Only Bind-It™ is designed specifically for the unique properties of iodine. Only Bind-It™ will remove radioactive iodine safely and effectively.

Further, while many other radioactive cleaners rely on harsh chemicals to decontaminate, Bind-It™ is non-corrosive. It will not harm the delicate metal housing of NaI(tl) Detectors.

Bind-It™ is available in a convenient 16 fluid ounce size. When diluted, it makes 2.5 gallons of cleaner. It is also available in premixed 32 fluid ounce high volume spray bottles.

Hand Soap

Bind-It™ hand soap uses the same active ingredients as Bind-It™, but in a gentle hand soap. Its strong ionic attraction binds the iodine and suspends it in solution so that it "lifts" dirt and residual iodine off skin and is easily rinsed away.

Gentle enough for routine use, it can replace your regular hand soap while giving an extra measure of protection from contamination. Bind-It™ hand soap also contains an antibacterial agent for further safety.

Bind-It™ hand soap is available in a convenient 6 pack of 32 fluid ounce pump bottles.

Why not use one of the popular general purpose radioactive decontaminants?

Iodine is highly electro-negative; most other isotopes are electro-positive.

General purpose decontaminants are designed with ionic agents that can actually repel iodine.

This only drives the iodine away from the cleaner, but doesn't actually remove it. Furthermore, most radioactive cleaners are highly corrosive.

This can lead to irritation of the hands and skin, not to mention extreme damage to sensitive gamma counter detectors, thyroid uptake probes and well counters.

The thin aluminum used in detectors is very delicate and the corrosive cleaners will "eat" through this cover, exposing the crystal to air.

Just take a look at this well detector which was cleaned with a popular general purpose radioactive cleaner. This detector had to be replaced at a cost of over \$1500!



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