

HIGHLY EFFECTIVE TOOLS FOR RADIOACTIVE IODINE REMOVAL



ELIMINATE RADIOACTIVE IODINE CONTAMINATION

- Highly effective at removing radioactive iodine
- Can be used to decontaminate fume hoods
- Clean outgoing packages, syringes, capsule containers
- Non-corrosive
- Bind-It™ hand soap is gentle, yet very effective
- Reduces patient and staff exposure
- Safely clean delicate NaI(Tl) wells, thyroid probes etc.
- Suitable for post-thyroid procedure cleanup (sinks, toilets etc.)

BIND-IT™ DECONTAMINANTS

Bind-It™ Decontamination Fluid has a unique affinity for radioactive iodine. The strong 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 is safe for use on delicate well counter detectors, thyroid probes, survey meters and gamma camera heads.

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

Most other radioactive decontaminants are designed to bind to a wide array of isotopes, but as iodine is different, they end up repelling it rather than removing it. Bind-It is designed to remove radioactive iodine safely and effectively.

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 230 ml size. When diluted, it makes 5.7 litres of cleaner. It is also available in premixed 910 ml high volume spray bottles.

POST NUCLEAR PROCEDURE USE

Bind-It™ products are ideal for both institutional and patient use after administration of ¹³¹I. For patients going home after thyroid procedures, Bind-It™ can be used for home clean-up as well. In the bathroom, there is Bind-It™ decontaminant for toilet and sink cleaning, as well as Bind-It™ hand soap. It is also ideal for showers, floors, towels, bed sheets etc.

HAND SOAP

Bind-It™ Hand Soap uses the same active ingredients, made into a gentle hand wash. Its strong ionic attraction binds the iodine and suspends the solution so that it “lifts” dirt and residual iodine off the skin then it 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 is available in convenient 910 ml 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 radioactivity 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 aluminium 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 radioactivity cleaner. This detector had to be replaced at a cost of over £1000.



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