

**MODEL L-DECON-1 AND L-DECON-2
DECONTAMINATION KIT**

January 2017

MODEL L-DECON-1 AND L-DECON-2 DECONTAMINATION KIT

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Ludlum
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Overview

The Ludlum L-DeCon-1 Decontamination Kit (part # 4525-561) contains the essential equipment, labeling materials, protective clothing, decontamination solvents, and cleaning supplies needed to deal with a basic radioactive spill or routine decontamination problem that may be encountered in the Nuclear Medicine Department or radiological research laboratory. The 30-gallon drum serves both as a container for the kit components, as well as a waste transfer and temporary storage (decay) vessel.

The L-DeCon-2 Decontamination Kit (part # 4525-562) is a deluxe version of the kit. It includes DeCon Gel (part # 03-5648) and additional coveralls, gloves and shoe covers.



Kit Components

- 1 30-gallon drum (hazmat rated)
- 2 disposable sets of coveralls and shoe covers
- 2 N-95 masks
- 2 pairs disposable gloves
- 1 Radiacwash spray (1 liter) **
- 1 box Radiac towelettes (100/box)
- 10 30-gallon trash bags
- 1 set 18-inch crucible tongs
- 2 mop heads
- 1 mop handle
- 1 plastic (3-gallon) pail
- 1 scrub brush (6 inches)
- 1 roll (3 inches x 1000 feet) “Caution Rad Area” barricade tape
- 2 laminated (7 x 10 inches) “Radioactive Material” signs
- 3 vinyl (5 x 7 inches) “Radioactive Material” labels
- 1 roll absorbent paper towels

**** Optional**

Model L-DeCon-2 includes the additional items: 1 liter spray bottle of DeCon gel and additional coveralls, gloves, and shoe covers.

Nuclear Medicine Department Emergency RAM Spill Response Guidelines

1. Notify all personnel in the area that a spill has occurred.
2. Notify Radiation Safety Officer/Radiation Safety Department promptly in the event of:
 - Radioactive material spills
 - Personnel contamination or a positive bioassay result
 - Loss of radioactive material
 - A Molybdenum breakthrough result exceeding the limit
 - Contaminated or damaged RAM shipments
3. Prevent the spread of contamination by initially covering the spill with absorbent pads or paper.
4. Secure the area and limit traffic into or near the spill with warning signs or safety barricade tape or roping.
5. Decontamination:
 - All workers in the spill area should wear booties, gloves, disposable coveralls, and eye protection.
 - Begin cleaning at the edge of the spill and work towards the center.
 - Survey the area after cleaning to evaluate the effectiveness of the decontamination.
 - Continue cleaning until survey results are below trigger RSO/Radiation Safety Procedure prescribed levels for the area.

6. Survey all personnel involved in the spill and spill cleanup.
7. Document what happened and survey the results.