


Regulated Medical Waste


Regulated medical waste (RMW), also known as 'biohazardous' waste or 'infectious medical' waste, is the portion of the waste stream that may be contaminated by blood, body fluids, or other potentially infectious materials, thus **posing a significant risk of transmitting infection**. State laws require RMW to be **rendered non-infectious** before it can be disposed of as solid waste.

Commonly Regulated Medical Waste

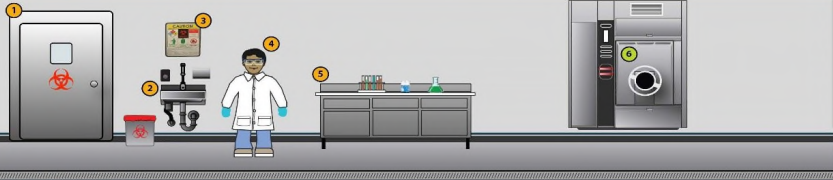
- **Pathological waste.** Tissues, organs, body parts, and body fluids removed during surgery and autopsy.
- **Blood and blood products.** Waste blood, serum, plasma, and blood products.
- **Cultures and stocks of infectious agents (microbiological waste).** Specimens from medical and pathology laboratories. Includes culture dishes and devices used to transfer, inoculate, and mix. Also includes discarded live and attenuated vaccines.
- **Contaminated sharps.** Contaminated hypodermic needles, syringes, scalpel blades, Pasteur pipettes, and broken glass.
- **Isolation waste.** Generated during segregation to protect others from communicable disease.
- **Contaminated medical research waste.** Material intentionally exposed to pathogens in research, biologicals production, or in vivo pharmaceuticals testing.



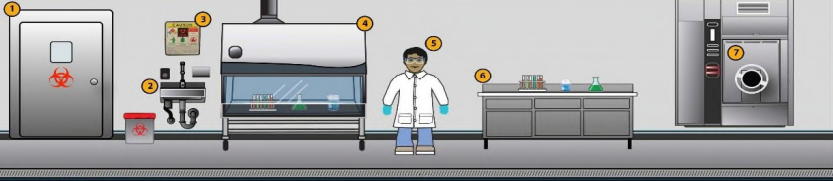
4 BIOSAFETY LAB LEVELS



BSL1




BSL2




BSL3 (WITH RISK-BASED ENHANCEMENTS)

AIR TIGHT (WHEN DISINFECTING)

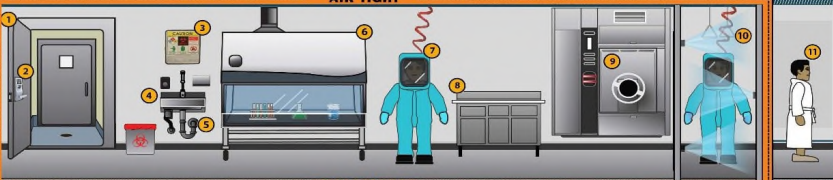


AIR TIGHT (WHEN DISINFECTING)




BSL4

AIR TIGHT



AIR TIGHT



BSL1

- 1 controlled access
- 2 hand washing sink
- 3 sharps hazards warning policy
- 4 personal protective equipment
- 5 laboratory bench
- 6 autoclave

BSL2

- 1 controlled access
- 2 hand washing sink
- 3 sharps hazards warning policy
- 4 physical containment device
- 5 personal protective equipment
- 6 laboratory bench
- 7 autoclave

BSL3

- 1 self-closing, double-door access
- 2 controlled access
- 3 personal shower out
- 4 sharps hazards warning policy
- 5 hand washing sink
- 6 sealed penetrations
- 7 physical containment device
- 8 powered air purifying respirator
- 9 laboratory bench
- 10 autoclave
- 11 exhaust HEPA filter
- 12 effluent decontamination system

BSL4

- 1 self-closing, double-door access
- 2 controlled access
- 3 sharps hazards warning policy
- 4 hand washing sink
- 5 sealed penetrations
- 6 physical containment device
- 7 positive pressure protective suit
- 8 laboratory bench
- 9 autoclave
- 10 chemical shower out
- 11 personal shower out
- 12 supply and exhaust HEPA filters
- 13 effluent decontamination system

● Required safety equipment
 ● Risk-based enhancements

www.cdc.gov/24-7

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US Army Corps
of Engineers

For more information, visit the project website at:

<https://home.army.mil/detrack/index.php/about/Garrison/directorate-public-works/environmental-management-division>