



The Department of Health and Bermuda Hospitals Board





Program Overview

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 - What is biomedical waste?
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WASTE CATEGORIES

- Regular/Domestic Waste
- Recyclable Materials
- Bio-hazardous
- Sharps
- Pharmaceutical
- Cytotoxics
- Radioisotopes



















WHAT IS NOT BIO-MEDICAL WASTE?

Bio-medical waste does not include:-

- Regular Waste
 - Clear or black bag
 - Cardboard, plastic, food scraps, paper
- Recyclables
 - Blue bag
 - (Tin, Aluminum and Glass, TAG)









WHAT IS BIO-MEDICAL WASTE?

Bio-medical waste includes all infectious waste, hazardous (including low-level radioactive wastes), and any other wastes that are generated from all types of health care institutions, including hospitals, clinics, doctors' offices (including dental and veterinary) and medical laboratories.













How is Biological Medical Waste identified?

The International biological hazard symbol on the container:



- The phrase "Biomedical Waste", "Infectious Waste" or "Biohazardous" must be on the container
- Bagged waste must be in red biowaste bags.
- Sharps must be in a puncture resistant, leak proof sharps container with a bio-hazard warning.









Handling Bio-Medical Waste

- Wear appropriate PPE (gloves, clothing cover, safety glasses) when handling non-inactivated waste
- Use Universal Precautions assume all BMW is infectious
- Transport waste in leak-proof containers
- Know how to handle spills





Infectious Medical Waste Includes:

- Blood and blood products (>20 mL) in a free flowing, unabsorbed state
- Contaminated sharps
- Isolation Wastes
- Laboratory wastes
- Unfixed pathological tissues





Infectious Laboratory Waste Includes:

- Cultures
- Bacterial agents
- Specimens
- Related contaminated wastes
- Vaccine vials





 Do not mix bio-medical waste with radioactive or chemical waste!

 Gloves, tubes and other items that have been used chemically go into their appropriate waste container.

 Remember: the biomedical waste box is not a universal disposal container!





BIO-MEDICAL WASTE IS CAPABLE OF PRODUCING INFECTIOUS DISEASE

Waste is considered infectious when it is:

- Contaminated by an organism that is pathogenic to healthy humans;
- The organism is not routinely available in the environment; and
- The organism is in significant quantity and virulence to transmit disease.



SHARPS





Sharps Include:

- Safety engineered devices
- •Fully or partially discarded syringes (with needles attached)
- Broken glass ampoules
- Needles
- Scalpels and other blades
- Infusion sets (the sharp part)



Sharps

- Never Re-Cap Needles or Scalpels
 - Don't bend, break, or detach from the syringe
- Discard directly into a leak-proof, puncture resistant container

- Replace container when ¾ full
- Never attempt to re-open a closed sharps container





Preventing Puncture

Items that can Puncture the Bio Waste Bag or Box include:

- Broken glass, Pasteur pipettes, serological pipettes, pipette tips, glass slides/cover slips
 - Sharps box date and dispose of within 30 days
 - Bench top biohazard bag or empty media bottle for pipette tips
 - Sturdy box placed in biohazard bag
 - Plastic sleeve (to bundle pipettes together) placed in biohazard bag
 - Align serological pipettes in one direction







PHARMACEUTICAL WASTE





Disposal Method

- All unused medicines including those in unopened packaging must be returned to the Pharmacy Department
- Never dispose of pharmaceuticals, medicines or narcotics in red waste bags!
- Pharmaceuticals, medicines and controlled drugs are disposed of by returning them to the Pharmacy Department





TRANSPORT

- Re: Storage, Transport and Disposal of Bio-medical Waste
- The purpose of these terms and conditions will apply to all generators of bio-medical waste that is transported to King Edward VII Memorial Hospital (KEMH) for disposal.
- All bio-medical waste must be stored in a container approved by the Department of Health (DoH).
- Containers with bio-medical waste may only be transported by the DoH, or a DoH-approved transporter of such waste, who will arrange for regular collection (a minimum of once a month) and transport of such waste to KEMH for disposal.
- Generators of bio-medical waste must complete the attached Bermuda
 Waste Consignment form, with a complete and accurate declaration,
 that must accompany each bio-medical waste container that is consigned
 to an approved transporter.
- An incorrect disclosure on the Bermuda Waste Consignment form may result in a loss of privilege under the terms and conditions.
- The fee schedule for bio-medical waste collection and transport is \$40.00.
- The DoH will occasionally provide optional training for hazardous materials handling that will be available to all producers of bio-medical waste.





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BIO-MEDICAL WASTE and PHARMACEUTICALS CONSIGNMENT FORM

SECTION A: Generator De	stalle			
Generator's Name/ Organiza	ation			
Generator's Mailing Address		Phone		
SECTION B: Waste Details	5		E-mav	
Description of Bio-medica	al Waste / Pharmaceuticals	Qty. Containers	Container Type	Size / Estimated Weight
Additional information				8
SECTION C: Declaration a	5-10-00-00-00-00-00-00-00-00-00-00-00-00-	e above named Gener ribed above.	rator / Organization in 8	Section A hereby declare that the
I also hereby agree to pay th	ne sum of amounts per the fee	schedule herein when	due.	
Signature	Date			
	Ensure a COPY of	f this f <mark>orm i</mark> s retained	I for the Generator's r	records
Time ReceivedObservations		UTHORIZED USE ON		
Employee	Signature		Dat	le



Fee Schedule

Containers filled with bio-medical waste	1	
30 litre sharps box	\$ 286.00	per box
19 litre sharps box	\$ 190.00	per box
8 litre sharps box	\$ 143.00	per box
3 litre sharps box	\$ 48.00	per box
1 litre sharps box	\$ 27.00	per box
Red Bag	\$ 1.40	per kilogram
Empty Containers		
208 litre Drum	\$105.00	per drum
Box with liner	\$40,00	per bax
Transportation per collection	\$ 40.00	per collection



Box with liner

208 litre Drum