



MAEER PUNE'S

**MAHARASHTRA INSTITUTE OF DENTAL
SCIENCES & RESEARCH (DENTAL COLLEGE)**



DEPARTMENT OF ORAL PATHOLOGY & MICROBIOLOGY

SOP - BIOMEDICAL WASTE MANAGEMENT

Purpose:

To ensure proper segregation of the solid and liquid waste in the respective labelled bins.

To ensure that waste is disposed safely and in an environment friendly manner.

To ensure timely disposal of waste and no waste is accumulated for a longer period in the department.

Responsibility:

Attendant and Lab Technician

Frequency: weekly- twice in a week

Procedure:

- Department of Oral Pathology and Microbiology follows a color-coding pattern that segregates infectious waste, paper-based waste, body tissue or biohazard sharps.
- Waste generated in the department is of solid and liquid type waste.
- **Solid waste:** These include
 - 1) General waste:
 - a) Disposable gloves
 - b) Disposable casts
 - c) Specimen containers
 - 2) Biohazard sharps:
 - a) Needles
 - b) Lancets
 - c) Syringes
 - d) Glass –Slide



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- **Liquid waste:** Human tissue blood and body fluids and chemicals.
- It is adequate to place such waste items in sealed, sturdy impervious bags (heavy-duty garbage bags or double bagging) to prevent leakage or breakage, and to dispose of them as regular garbage.
- Soiled dressings and sponges are placed into biohazard bags and placed into bins designated for biohazard waste.
- Biomedical waste is stored in a safe, ventilated and secured location for segregation of it in colored bags or containers as per color coding norms.
- **Segregation of generated waste :-**

Yellow Bag	Red Bag	White Bag	Blue Bag
1. Human Anatomical Waste :- a) Extracted Tooth b) Biopsied tissue 2. Animal Anatomical Waste :- a) Blood b) Body Fluids c) Cotton Swab d) Waxes 3. Chemical Waste:- a) Discarded formalin b) Infected Secretion c) Aspirated Body Fluids d) Liquids from Laboratories	1. Contaminated Waste :- a) Syringes b) Gloves	1. Waste Sharps :- a) Needles b) Syringes with fixed needles	1. Glassware



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- Disposable items are often recycled, like glass slides, cover slips are dipped in freshly prepared 1% sodium hypochlorite for 30 min- 1 hour.
- Scalpel blades, lancet, broken glass put in separate containers with bleach transformed to plastic or cardboard boxes sealed to prevent spillage.
- Glassware should be disinfected, cleaned and sterilized.
- Gloves are shredded or cut before disposal.
- These container bags have bio-hazard symbol.
- At the time of the collection of general waste from department a lab technician is there and he ensures that there is no mixing of different types of waste.
- Weighing is done at the central garbage area and weight is mentioned on a register maintained for this purpose.
- Bio-medical waste is transported to central garbage area by department attendant

Departmental Waste Management Policy

