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Waste Management		Effective Date: March 2013 Date of Revision: NA
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Purpose of procedure

This procedure has been developed to ensure the proper disposal of wastes

Scope

This procedure only applied to the RTPC2 facility management

Responsibilities

Facility technician to ensure proper management of waste of RTPC2 facility

Steps

- Collect and autoclave waste at least once daily when required
- Autoclave or chemically disinfect contaminated protective clothing and containers before reuse for 30 min at 121^{o}C (Operation of autoclave refer to SOP 9)
- Autoclaved waste to be transferred out to designated bin for monthly collection by authorised waste collector

Plant Materials:

1. Cut big plants into smaller manageable pieces
2. Place into biohazard autoclave disposable bag and sealed
3. Place sealed waste bag into temporary waste disposal bin
4. Mark waste bag with autoclave tape before autoclaving
5. Steam-sterilize

Soil (to reuse):

1. Collect soil into biohazard autoclave disposable bag, sealed and mark with autoclave tape
2. Steam-sterilized
3. Store at an open site to dry

Culture Materials, Microbial Materials, Liquid Wastes:

1. Cell culture wastes must be decontaminated
2. Add household bleach to the container of liquid waste so that the final volume of the solution is 10% bleach.
3. Mix gently and allow a minimum of 30 minutes contact time before discarding into the sanitary sewer.

Pesticide Waste:

1. Label the waste container appropriately according to their chemical class
2. Mark the container with the date the wastes were created
3. Disposal of pesticide waste shall be conducted by contractor authorized by UKM

Note:

Verification of effectiveness (monthly)

Seed germination test (tested only for the solid waste programme) :

Autoclaved soil will be sampled for seed germination test in a pot every month

Print cycle process:

Print detailed cycle process monthly for record

Training required

1. Laboratory induction
2. Emergency response plans
3. Correct use of personal protective equipment and tools

Location

Greenhouse, preparation room and autoclave room