

Michigan State University
University Laboratory Animal Resources
Standard Operating Procedure (SOP)

TITLE : **Mouse and Rat Husbandry : Conventional Housing**

DOCUMENT NUMBER : **ULAR-AC-Q16**

Definitions & Information

1. POLICY

Training is mandatory before handling animals

Animal care : must be provided 365 days per year

Veterinary care – Provided by ULAR veterinarians

- 365 days / year, 24 hours / day
- Contact information is posted near phones

2. DISINFECTION

NOTE : Prepare detergent/disinfectants using instructions on bottle or posted by cleaning products.

Alcohol is not a disinfectant

- ✚ General disinfection - safe for use in animal rooms
 - quaternary ammoniums (ex: LABSAN 256)
 - chlorine (ex: bleach – XX oz bleach / gallon water)

3. ATTIRE - Minimum

- a) Scrubs OR
- b) Lab coat – ULAR regular or disposable
 - **DO NOT** wear lab coat from your lab - *Please*

4. DEFINITIONS, EXPLANATIONS, INFORMATION, ETC

- ✚ **Moribund** - very lethargic, very sick, close to death
- ✚ **Ataxia** – unable to walk upright
- ✚ **Anorexia** – not eating
- ✚ **Adipsia** – not drinking
- ✚ **Anuria** – not urinating
- ✚ **Polyuria** – excessive urination
- ✚ **Euthanasia** – Humane death
 - ✦ Methods :
 - CO₂
 - Anesthesia Overdose – injectable or inhalation
 - Cervical dislocation with IACUC approval and training
 - ✦ Second assurance of death :
 - Pneumothorax
 - Cervical Dislocation

✚ **Normal food intake :**

- ◆ Mice : ~ one pellet / day
- ◆ Rats : ~ 5 pellets / day

✚ **Normal water intake :**

- ◆ Mice : ~ 5 – 8mls
- ◆ Rats : ~22 – 33mls

✚ **Diets : Food stuffs must be stored in closed container – Always**

✚ **Rodent Diets : Most diets -**

- ◆ Expire 6 months after manufacture
- ◆ Date of manufacture – stamped on bottom binding of bag
- ◆ Specially manufactured diets may require refrigeration, may expire sooner than 6 months after manufacture

Approved : 05/01/06

By : Director, University Laboratory Animal Resources