

M3 Barrier Practices

Mouse Biology Program
University of California, Davis

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Specific Room/Facility Description:

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|--------------------------------|---|
| Approximate Number of Animals: | 2000 |
| Breeding in Room? | Yes |
| Immune Status: | Undetermined |
| Genetic Breeds: | Various knockouts, transgenics, and others |
| Incoming Animal Sources: | Rederivation by embryo transfer required for entry into facility Embryo recipients are housed in a maternity/quarantine ward. Recipients are submitted for pathology/health screening prior to release of mice into other facility rooms. |

Husbandry Description:

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| Does this facility have a dedicated staff? | Yes |
| Is staff shared with rooms potentially containing pathogens? | No |
| Are there current or recent infections? | No |
| Caging system: | Individually Ventilated Cages (Thoren caging system) |
| Changing procedure: | Within laminar flow hood, sanitized between cages. |
| Protective clothing/procedures: | Masks, gloves, hair covers, dedicated clothing and shoes, shower-in. All materials are autoclaved in. |
| Note: | This is a high security barrier facility, entry is limited to staff only, investigators are not allowed access to building or lab. Lab is used for embryo transfer, and other reproductive manipulations of derived stock. |

Health Monitoring Program:

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| Sentinels: | 2 sentinels per 80-100 cages, or 1 cage sentinels per rack. |
| Sentinels on used bedding? | Yes |
| Sentinel submission frequency: | Quarterly |
| Sentinel description: | CD1s placed at 3-4 weeks of age and taken 12 weeks later. For rederived, derived or resuscitated stock, the embryo recipients are tested prior to shipping or admission into the barrier of the derived litter. For maintenance of lines dedicated sentinels are use. Colony cohorts and clinical cases are also submitted as part of the overall program. |
| Health Monitoring & Status: | Specific Pathogen Free. For a list of pathogens tested, please refer to the Health Report. All animals participate in health monitoring. |