

# M3 Barrier Practices

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## Specific Room/Facility Description:

Approximate Number of Animals:	4,500
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:

Does this facility have a dedicated staff?	Yes
Is staff shared with rooms potentially containing pathogens?	No
Caging system:	Individually Ventilated Cages (Thoren)
Water system:	Chlorinated water in hydropacs
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:

Sentinels:	1 cage sentinels per rack (about 80-100 per rack)
Sentinels on used bedding?	Yes
Sentinel submission frequency:	Quarterly (with some breeding rooms having additional monitoring)
Sentinel description:	Athymic nude mice placed at 5-6 weeks of age and taken 12 weeks later. Stock colony rooms screened every 6 weeks with sentinel mice, fecal samples from sentinel mice submitted for aerobic culture between sentinel mouse submissions. 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.

*\*Refresh of CD1 colony from CRL elite performed in April 2021, with extensive post import testing*