

# MBP Conventional Facility Practices

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## Specific Room/Facility Description:

Room Maximum Occupancy	700 cages (Room 114) – 800 cages (Rooms 115 and 116) - 1600 cages (rooms 109, 110, 111, and 112) per room
Immune Status	Immunocompromised in Room 110; All other rooms mainly immunocompetent
Genetic Breeds	Variable – depends on project; Various knockouts, transgenics, and others
Incoming Animal Sources	Mice are rederived into the facility by embryo transfer and subsequent breeding (Rooms 114, 110, 111, 112), obtained from commercial vendors with equal or higher health status (Rooms 109, 110, 111, 112, 116), other approved sources (rooms 116), or imported from a variety of institutions with varying health statuses (Room L9).

## Husbandry Description:

Staffing	Staff is dedicated to this facility, staff is shared across all rooms, Entry is limited to staff only, investigators are not allowed in the vivarium. Cross contamination is prevented by strict equipment and personnel traffic patterns, attention to room order, and change of personal protective equipment.
Health status	See specific room report; historical or other room reports within the facility are available upon request.
Caging system	OptiMICE Ventilated Caging system
Changing procedure	Within laminar flow hood
Protective clothing/procedure	Gloves, masks, dedicated clothing and shoes. Hair covers are required for immunodeficient strains and in L9. All cages and bedding are autoclaved.
Bedding, Diet, etc.	Bedding: Teklad corn cob bedding 1/8" (7092A, Autoclavable) and Envirodri paper bedding; autoclaved in the cages after washing. Diet: 2018 Teklad global 18% protein rodent diet, irradiated. 2019 Teklad global 19% protein rodent diet, irradiated. Water: Majority are on Hydropacs – chlorinated water. Water Bottles provided to specific colony needs – Acidified water pH between 2.5-3.0, empty water bottles are autoclaved prior to filling. Miscellaneous: Nestlets and Shepherd Shacks autoclaved in house and placed in the cage within the hood

## Health Monitoring Program:

Sentinels	Athyimic Nude (BALB/c background; 2 haired heterozygous animals and 2 nude homozygous animals) placed at 4-6 weeks of age and processed 12 weeks later. Clinical cases are also submitted as part of the overall program. 4 sentinels per 100 cages; housed on used bedding, and submitted quarterly
Health Monitoring & Status	Conventional. For a list of pathogens tested, please refer to the Health Report. All animals participate in health monitoring.

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