

## ANIMAL HUSBANDRY AND CARE

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### HUSBANDRY AND CARE

- ❖ Qatar University – Laboratory Animal Research Centre (LARC) is providing highest quality animal husbandry and care
- ❖ LARC is Specific pathogen Free (SPF) facility with state of the art animal housing & supporting instruments
- ❖ Animal husbandry and care is a vital and critical part of any modern vivarium
- ❖ Care and management play a major role in keeping the lab animal's health and diseases free condition
- ❖ LARC has a housing capacity for 4000 mice and rat. Animals are maintained in Individual Ventilated Cage (IVC) system
- ❖ LARC animal husbandry & veterinary care practice follows International standards & guidelines

#### Physical environment – IVC system



The immediate physical environment surrounding the animal in a primary enclosure such as the cages and animal holding rooms

#### Food & Drinking Water



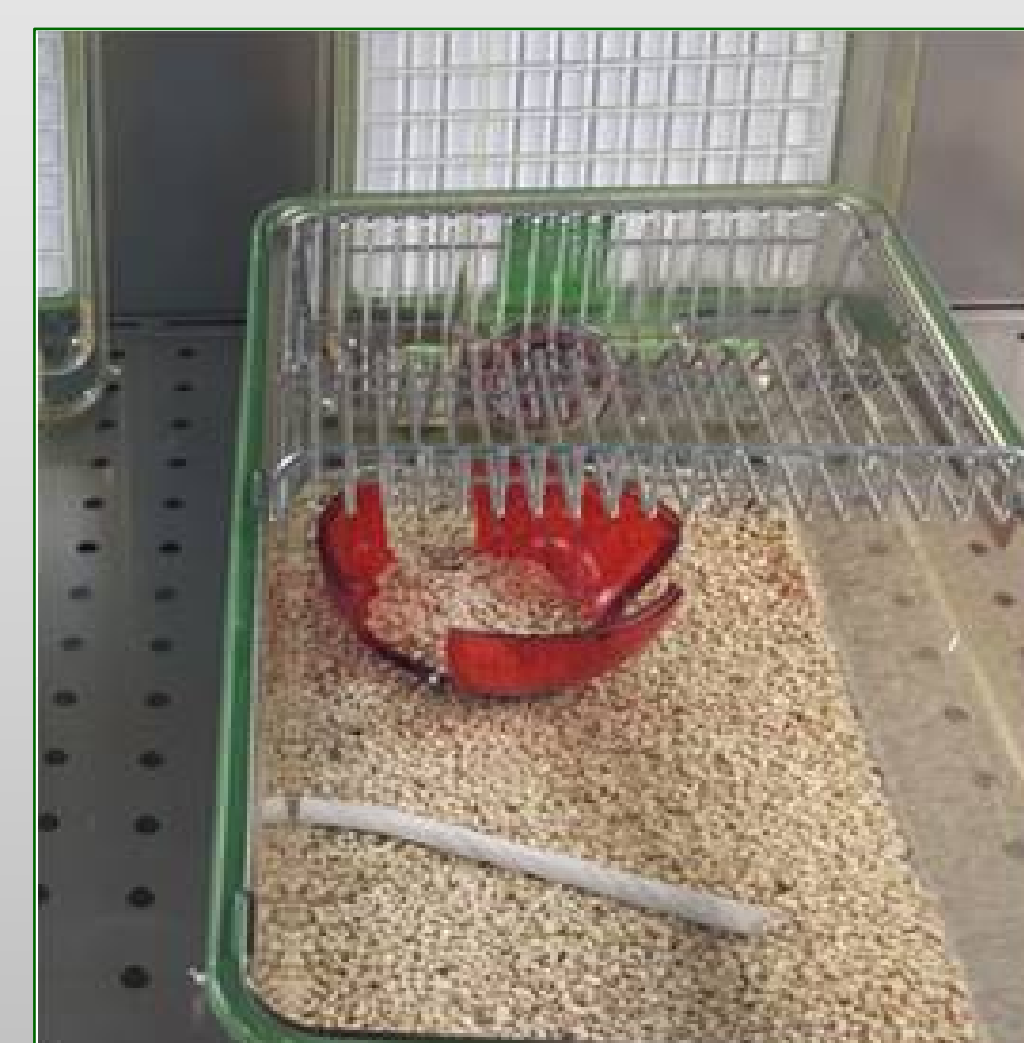
LARC provides irradiated feed in *ad libitum*. The potable drinking water to animals supplied through sources: Edstrom Automated watering System, Sipper-Sack and bottles

#### SPF Animal Room



Animal rooms are equipped with Air handling units, Cage change stations and Biosafety cabinet level-2. Animal rooms are connected with procedure rooms

#### Environment Enrichment



Environmental enrichment for lab animals are being provided to keep their species-specific behavior, allow them to exercise control over their environment, and to enhance their well-being

#### Constant Environment



Housing environment being maintained with constant air change, controlled humidity ventilation, Light and Dark cycle, Light intensity and sound level

#### High Quality Ventilation



10 to 15 fresh HEPA filtered air (99.9%) changes per hour in all animal rooms to maintain macro environmental air quality. Air Handling Units (AHU) are in place to re-circulate the clean air