

## Barrier and Conventional unit category

Facility/Equipment/Procedure	Max. barrier System	Low barrier (HVAC)	Low barrier (non-HVAC)	Conventional
<b>Construction</b>				
- Room is designed to prevent undesirable microorganisms from entering on any materials, equipment, animal, or personal	++++	+++	++	+
- The wall, ceiling and floor must be construction of impervious materials, all junction and seam must be sealed	++++	+++	++	+
- Air to the room should be treated by high efficiency particulate air (HEPA)	✓	✗	✗	✗
- Air to the room should be treated by pre filter	✓	✓	✓	✗
<b>Supplies and Equipment</b>				
- Sterilized feeding	✓	✗	✗	✗
- Bedding, supplies, and equipment are sterilized	✓	✓	✓	✗
- Treatment/Sterilize drinking water	✓	✓	✓	✗
- Treatment/Sterilize consume water	✓	✓	✓	✗
- The autoclave should be calibrated and/or validated before its initial use and then monitor	✓	✓	✓	✗
- The process of chemical disinfection must also be calibrated so that adequate concentration, application procedure, and contact time are used	✓	✓	✓	✓
<b>Personal restriction</b>				
- Sterilized clothing, mask, and cap	✓	✓	✓	✗
- Sterilized shoes, shoes cover, and gloves	✓	✗	✗	✗
- <b>Wet entry system</b> which require personal to take a water shower	✓	✓	✓	✗
- <b>Dry entry system</b>	✓	✗	✗	✗

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- Wet entry system is an air lock, which inhibits the migration of insects and other vermin and control air flow, trap(sticky map) and other pest control	++++	+++	++	+
- Air shower	✓	✗	✗	✗
<b>Others</b>				
- Routine environmental monitoring such as temperature, humidity, ventilation and pressure, is properly measured in each system.	✓	✓	✓	✓
- Animal into the barrier room which requires quarantine in some form of containment system	✓	✓	✓	✓
<b>Quality of animal</b>	SPF	monitor	monitor	conventional

**Remarks:**

+ ; Level of compliance which is categorized by 1+ to 4+

✓ ; Implement

✗ ; Not Implement