

**Biosafety Level 1 – Animals (BL1-N)**  
*NIH Guidelines for Research Involving Recombinant or Synthetic  
Nucleic Acid Molecules*  
*(Appendix M-II-A) – April 2019*



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**Appendix M-II-A-1. Standard Practices (BL1-N)**

**a. Animal Facility Access (BL1-N)**

- 1) The containment area shall be locked.
- 2) Access to the containment area shall be limited or restricted when experimental animals are being held.
- 3) The containment area shall be patrolled or monitored at frequent intervals.

**b. Other (BL1-N)**

- 1) All genetically engineered neonates shall be permanently marked within 72 hours after birth, if their size permits. If their size does not permit marking, their containers should be marked. In addition, transgenic animals should contain distinct and biochemically assayable DNA sequences that allow identification of transgenic animals from among non-transgenic animals.
- 2) A double barrier shall be provided to separate male and female animals unless reproductive studies are part of the experiment or other measures are taken to avoid reproductive transmission. Reproductive incapacitation may be used.
- 3) The containment area shall be in accordance with state and Federal laws and animal care requirements.

**Appendix M-II-A-2. Animal Facilities (BL1-N)**

- a.** Animals shall be confined to securely fenced areas or be in enclosed structures (animal rooms) to minimize the possibility of theft or unintentional release.

