Table 2. Summary of Recommended Biosafety Levels for Infectious Agents

<table>
<thead>
<tr>
<th>BSL</th>
<th>Agents</th>
<th>Practices</th>
<th>Primary Barriers and Safety Equipment</th>
<th>Facilities (Secondary Barriers)</th>
</tr>
</thead>
</table>
| 1   | Not known to consistently cause diseases in healthy adults | Standard microbiological practices | No primary barriers required.  
|     |        |           | PPE: laboratory coats and gloves; eye, face protection, as needed | Laboratory bench and sink required |
| 2   | Agents associated with human disease  
|     | Routes of transmission include percutaneous injury, ingestion, mucous membrane exposure | BSL-1 practice plus:  
|     |        |           | Limited access  
|     |        |           | Biohazard warning signs  
|     |        |           | "Sharps" precautions  
|     |        |           | Biosafety manual defining any needed waste decontamination or medical surveillance policies | Primary barriers:  
|     |        |           | BSCs or other physical containment devices used for all manipulations of agents that cause splashes or aerosols of infectious materials  
|     |        |           | PPE: Laboratory coats, gloves, face and eye protection, as needed | BSL-1 plus:  
|     |        |           | Autoclave available |
| 3   | Indigenous or exotic agents that may cause serious or potentially lethal disease through the inhalation route of exposure | BSL-2 practice plus:  
|     |        |           | Controlled access  
|     |        |           | Decontamination of all waste  
|     |        |           | Decontamination of laboratory clothing before laundering | Primary barriers:  
|     |        |           | BSCs or other physical containment devices used for all open manipulations of agents  
|     |        |           | PPE: Protective laboratory clothing, gloves, face, eye and respiratory protection, as needed | BSL-2 plus:  
|     |        |           | Physical separation from access corridors  
|     |        |           | Self-closing, double-door access  
|     |        |           | Exhausted air not recirculated  
|     |        |           | Negative airflow into laboratory  
|     |        |           | Entry through airlock or anteroom  
|     |        |           | Hand washing sink near laboratory exit |
| 4   | Dangerous/exotic agents which post high individual risk of aerosol-transmitted laboratory infections that are frequently fatal, for which there are no vaccines or treatments  
|     | Related agents with unknown risk of transmission | BSL-3 practices plus:  
|     |        |           | Clothing change before entering  
|     |        |           | Shower on exit  
|     |        |           | All material decontaminated on exit from facility | Primary barriers:  
|     |        |           | All procedures conducted in Class III BSCs or Class I or II BSCs in combination with full-body, air-supplied, positive pressure suit | BSL-3 plus:  
|     |        |           | Separate building or isolated zone  
|     |        |           | Dedicated supply and exhaust, vacuum, and decontamination systems  
|     |        |           | Other requirements outlined in the text |