Personal Protective Equipment Requirements for Working in Macaque Facility

*Sleeves recommended when handling macaques.

**For additional PPE options, please refer to next page.
Personal Protective Equipment Requirements for Macaque Cage Washing/Cleaning Facility

**For additional PPE options, please refer to next page.**
# UCSF Macaque Personal Protective Equipment (PPE) Standard Operating Procedures

**Mucous membrane protection as appropriate**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Nature of contact</th>
<th>Minimum PPE Requirements</th>
</tr>
</thead>
</table>
| Cage-wash (no contact with animals)/ Daily husbandry | Handling sharp-edged cage-pans. Hosing down equipment with high pressure hose (high risk). | • Disposable or welders style face shield or PAPR  
• Head cover (unless using PAPR)  
• Surgical mask (unless using PAPR)  
• Heavy rubber gloves*  
• Tyvek suit  
• Water proof boots  
(See Picture) |
| Daily husbandry | Feeding animals and placing water bottles (no direct handling of animals, though potential for aggressive animals to reach out and grab). | • Face shield  
• Head cover  
• Surgical mask  
• Thick blue gloves* or regular gloves  
• Gown or dedicated lab coat**  
• Shoe covers or boots  
• Protective sleeves – recommended  
(See Picture) |
| Veterinary care / Anesthesia for surgery | ‘Squeeze’ animals to inject sedative or antibiotics. Carry sedated animal to exam room / surgery room. Place endotracheal tube. Collect blood samples via safety syringes. Oral exam of sedated animal. Requires some dexterity for safe, competent practice. | • Eye protection  
• Head cover  
• Surgical mask  
• Gloves  
• Gown or dedicated lab coat**  
• Protective sleeves – recommended |
| Surgery | Handling scalpels, scissors, curettes, power drills and manipulating eyes and performing craniotomy. Requires high level of visual acuity and dexterity including surgical work performed under microscope. | • Eye protection  
• Surgical mask  
• Gloves  
• Surgical gown  
• Shoe covers  
• Protective sleeves -- recommended |
<table>
<thead>
<tr>
<th>Activity</th>
<th>Description</th>
<th>Required Equipment</th>
</tr>
</thead>
</table>
| Necropsy                                     | Handling scalpels, scissors, curettes, power drills and manipulating eyes and performing craniotomy. | • Disposable or welders style face shield or PAPR  
• Head cover (unless using PAPR)  
• Surgical mask (unless using PAPR)  
• Thick blue gloves*  
• Gown or Tyvek suit for necropsy  
• Shoe covers or boots  
• Protective sleeves – recommended (See Picture) |
| Observing animal in animal housing room      | Viewing animals only. No contact with the animals or the cages.              | • Face shield  
• Surgical mask  
• Gloves  
• Gown or dedicated lab coat**  
• Shoe covers or dedicated waterproof shoes *** (See Picture) |
| Observing anesthetized animal in operation room | Viewing anesthetized animals only. No contact with the animals.               | • Gloves  
• Gown or dedicated lab coat** |
| “Running” animals                            | Pole-and-collar out-of-cage restraint of conscious animals to place in restraint chair. Lift restraint chair with conscious animal in it into place in ‘rig room.’ Close contact with head to secure head holder in position. Infuse and suction fluids for chamber cleaning. Hand-feeding animal in restrainer. | • Face shield  
• Surgical mask  
• Thick blue gloves* or regular gloves  
• Gown or dedicated lab coat**  
• Shoe covers or dedicated waterproof shoes *** needed in animal housing room only  
• Protective sleeves – recommended (See Picture) |
| Working on unfixed NHP materials at laboratory | Working on unfixed NHP tissues at laboratory.                                 | • Thick blue gloves** or regular gloves  
If procedure cannot be conducted inside biosafety cabinet  
• Face shield; or surgical mask and goggles |

* Thick blue gloves: Glove thickness = 14mil  
** Dedicated lab coat: Lab coat only worn in nonhuman primate areas.  
*** Dedicated waterproof shoes: Waterproof shoes only worn in nonhuman primate areas.