

ASU Fact Sheet | Examples of personal protective equipment for animal care workers

A B S L	Species	Pathogens present	Caging type	Ventilation for work and cage change out	Risk - Exposure type	Activity type examples	Centralized facility - Minimum required personal protective equipment, or PPE	Options
1	Rodents - rats, mice, guinea pigs	No	Ventilated	Yes	Low - allergen	Any work with animals No animal contact	Gloves, bonnet (when needed to contain long hair) None	Avoidance for individuals with known allergies - hair bonnet, shoe covers, and respiratory protection are available. Contact the ASU Biosafety Officer for Guidance.
1				No	Moderate - allergen	Any entry into the room	Wrap-around gown (or dedicated scrubs), gloves, bonnet (when working with animals and needed to contain long hair)	
1			Static, but filtered	Yes	Low - allergen	Any work with animals No animal contact	Gloves, bonnet (when needed to contain long hair) None	
1				No	Moderate - allergen	Any entry into the room	Wrap-around gown (or dedicated scrubs), gloves, bonnet (when working with animals and needed to contain long hair)	
1			Open (e.g., "conventional")	No	High - allergen	Any entry into the room	Wrap-around gown (or dedicated scrubs), gloves, bonnet (when needed to contain long hair), respiratory protection	
2	Yes	All	Either	Moderate - allergen and pathogen	Any entry into the room	Wrap-around gown (or dedicated scrubs), gloves, bonnet, shoe covers, respiratory protection (N95 recommended)		
1	Rabbits	No	Open (e.g., "conventional")	No	High - allergen	Any entry into the room	Wrap-around gown (or dedicated scrubs), gloves, bonnet (when working with animals and needed to contain long hair), respiratory protection (N95 recommended)	
2		Yes	All	Either	Moderate - allergen and pathogen	Any entry into the room	Wrap-around gown (or dedicated scrubs), gloves, bonnet, shoe covers, N95	
1	Cats and dogs	No	Open (e.g., "conventional")	No	Low - allergen	Any entry into the room	Wrap-around gown (or dedicated scrubs)	
2		Yes	Open (e.g., "conventional")	No	Moderate - allergen and pathogen	Any entry into room	Wrap-around gown (or dedicated scrubs), gloves, bonnet, shoe covers, N95	
2	Macaques	All	Open (e.g., "conventional")	No	High - pathogen	No water or urine exposure	Tyvek suit (or wrap-around gown over dedicated scrubs), double gloves, shoe covers, bonnet, respiratory protection, safety glasses, and standard face shield. Plus Tyvek sleeves when directly working with animals.	
2						Water or urine exposure (e.g., using hose or changing bottles)	Tyvek suit (or wrap-around gown over dedicated scrubs), double gloves, dedicated boots, bonnet, respiratory protection, form-fitting face shield. Plus Tyvek sleeves when directly working with animals.	
2	Marmosets	All	Open (e.g., "conventional")	No	High - pathogen	Any entry into room	Wrap-around gown, gloves, bonnet, shoe covers, respiratory protection	
1	Reptiles	No	Open (e.g., "conventional")	No	Low - allergen	Any entry into room	None	
1	Bird	No	Any	Any	Low - allergen	Any work with animals No animal contact	Wrap-around gown (or dedicated scrubs), gloves None	
2		Yes	Any	Either	Moderate - pathogen	Any entry into room	Wrap-around gown (or dedicated scrubs), gloves, bonnets, shoe covers, N95	
1	Fish and amphibians	No	Any	No	Low - allergen	Any entry into room	Gloves if handling animals (avoid skin contact with water or animals)	
	Field research	Variable	Not applicable	Not applicable	Variable - pathogen		Project-specific requirements determined by IACUC and EHS	
3	All	Yes	Any	Either	High - pathogen		Project-specific requirements in accordance with BMBL and Biosafety Disclosure	

Additional PPE on a voluntary basis. Footwear is required in all facilities. For DACT staff, closed-toe shoes are required. For all others, footwear must secure itself in the front and back of the foot. Other laboratory specific footwear or shoe covering requirements may apply. Satellite facility PPE requirements are determined on a case-by-case basis.

Questions? Contact ASU Environmental Health and Safety at 480-965-1823 or email asuehs@asu.edu

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