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Applicable PPE	Example	Type/Characteristics	Applications
Light latex, vinyl or nitrile gloves		Disposable latex Powdered or un-powdered	Working with biological hazards (human blood, body fluids, tissues, bloodborne pathogens, specimens), BSL1, BSL2, BSL2+, BSL3
		Disposable nitrile Puncture, abrasion resistant, protection from splash hazards	Working with biological hazards and chemical splash hazards
		Disposable vinyl Economical, durable, similar to latex	Working with biological hazards, BSL1, BSL2, BSL2+, BSL3
Light chemical resistant gloves		Natural rubber latex Chemical resistant, liquid-proof	Working with small volumes of corrosive liquids, organic solvents, flammable compounds
Light to heavy chemical resistant gloves		Nitrile Chemical resistant, good puncture, cut, and abrasion resistance	Using apparatus under pressure, air or water reactive chemicals
Heavy chemical resistant gloves		Butyl High permeation resistance to most chemicals	Working with large volumes of organic solvents; small to large volumes of dangerous solvents, acutely toxic or hazardous materials
		Viton® II High permeation resistance to most chemicals	Same as butyl gloves, plus hazardous material spills
		Silver shield Extra chemical and mechanical protection	Same as butyl and Viton II gloves, added mechanical protection, hazardous material spills
Insulated gloves		Terrycloth autoclave Heat resistant	Working with hot liquids and equipment, open flames, water bath, oil bath
		Cryogen Water resistant or water proof, protection against ultra-cold temperatures	Handling cryogenic liquids

Applicable PPE	Example	Type/Characteristics	Applications
Wire mesh gloves		Wire mesh Cut resistant	Working with live animals and exposed to potential cuts
Chemical resistant aprons		Rubber-coated wash Chemical splash protection, good abrasion resistance	Working with apparatus under pressure, air or water reactive chemicals, large volumes of corrosive liquids
		Neoprene w/ sleeves Chemical resistant, tear resistant	Working with water or air reactive chemicals, large volumes of corrosive liquids, small to large volumes of acutely toxic corrosives
		Butyl/Silver shield w/ sleeves Extra chemical and mechanical protection	Working with large volumes of organic solvents; small to large volumes of dangerous solvents, acutely toxic or hazardous materials. Added mechanical protection, hazardous material spills
Lab coats		Knee length Protects skin and clothing from dirt, inks, non-hazardous chemicals	General use; Chemical, Biological, Radiation, and Physical Hazards
		Flame resistant Flame resistant (e.g. Nomex or flame-resistant cotton)	Working with water or air reactive chemicals, large volumes of organic solvents, potentially explosive chemicals
Gowns		Disposable Protects skin and clothing from dirt, dyes, debris, or non-hazardous chemicals	General use; Chemical, Biological, Radiation, and Physical Hazards. Working with live animals
		Flame resistant disposable Flame resistant. Protects skin and clothing from dirt, dyes, debris, or non-hazardous chemicals	Working with water or air reactive chemicals, large volumes of organic solvents, potentially explosive chemicals. Working with live animals
		Tyvek High tear resistance, protection from particulates	Working with biohazards with potential for exposure to airborne transmissible disease

Applicable PPE	Example	Type/Characteristics	Applications
Cap		Bouffant Protection for hygienic work environments; protection from dirt, dust	Working with biohazards, especially in animal facilities
Footwear		Disposable shoe covers Protection for hygienic work environments; protection from dirt, dust. Adjustable fit, non-skid	Working with biohazards, especially in animal facilities
		Slip resistant Slip resistant sole	Working in areas where liquids, slippery conditions are present
		Slip resistant boot Slip resistant sole. High permeation resistance to wet conditions	Working in environments where large amounts of water are present (e.g., cage washing)
Safety glasses		Glasses Polycarbonate lens, side shields for eye protection. Meets ANSI and OSHA specifications	Working with chemical, biological, or physical hazards
Safety goggles		General Tight fitting, protects eyes from impact, spray, paint, chemicals, flying chips, dust particles, polycarbonate lens, indirect ventilation, meets ANSI and OSHA specifications	Working with large volumes of corrosive liquids, small to large volumes of acutely toxic corrosives. Working with large volumes of organic solvents, acutely toxic or hazardous chemicals, apparatus under pressure, air or water reactive chemicals
		Laser / Radiological Shaded goggles; optical density based on beam and/or UV parameters	Working with Class 3 or Class 4 lasers; UV radiation
Shields		Face shield Chemical and/or UV resistant face shield	Working with mild acids, caustics, aromatic hydrocarbons, methylene chloride; splash hazard; air or water reactive or potentially explosive chemicals; UV radiological hazards
		Safety shield Acrylic, weighted shield, three sided, benchtop shield, frosted edges	Working with chemical splash, beta radiation, exposure to Bloodborne pathogens

Applicable PPE	Example	Type/Characteristics	Applications
Respirators		Surgical masks Protects against large droplets and splashes	Working with live animals; working with infectious material in BSL-2+ level lab
		N-95 Protects against dusts, fumes, mists, microorganisms	Working with live animals or infectious materials with known airborne transmissible disease (e.g. Tuberculosis); dusty environments
		Half face Purifies air: protects against variety of particulates, vapors, dust, mists, fumes; depends on filter cartridge used	Working with live animals or infectious materials with known airborne transmissible disease; dusty environments; chemical vapors; particulates
		Full face Same as half face, with greater protection factor; eye protection, mucous membranes, and face; depends on filter cartridge used	Working with live animals or infectious materials with known airborne transmissible disease; dusty environments; chemical vapors; particulates
		PAPR Air supplying respirator; delivers steady supply of filtered air with loose fitting hoods	Working in BSL3 or dusty environments; chemical vapors, particulates; used when full-face or half-face respirator doesn't fit individual, or presence of facial hair
Earplugs		Disposable Polyvinyl Chloride (PVC) or Polyurethane foam, one time use design (no cleaning), one size fits all, light weight, low cost, blocks all sound	Working in areas where sound (dBa) average levels over 85, EHS can assist in assessments
		Reusable Silicone, tapered fit, reusable (needs cleaning), corded or uncorded, light weight, more durable than disposable	Working in areas where sound (dBa) average levels over 85, EHS can assist in assessments
		Hearing Band Ear plugs connected to a flexible band that can be worn around the neck when not needed	Working in areas where sound (dBa) average levels over 85, EHS can assist in assessments