

PPE Selection Guide by Task or Activity

	If your task/activity involves:	Use the following PPE:
	solids of low or moderate toxicity	Disposable gloves
Chemicals	minimal amounts of liquids (less than 0.1 liters)	Safety glasses or goggles
	with acute or chronic toxicity	Appropriate chemical-resistant gloves
		Clothing covering to knees
	more than minimal amounts of liquids with acute	Safety glasses or goggles
	or chronic toxicity (pure chemicals, mixtures or	Appropriate chemical-resistant gloves
	solutions)	o Lab coat
		 Acid-resistant apron if more than 4 liters of highly corrosive
		chemicals used
		o Consider flame-resistant, e.g., Nomex, lab coat if more than 4
		liters of flammable liquids used
	cryogenic liquids	Safety glasses or goggles
		Face shield required if handling cryovials stored in liquid phase Leveleted arms spring flavors.
		 Insulated cryogenic gloves Lab coat recommended
	potentially-explosive compounds	Safety goggles
C	potentiany-explosive compounds	Face shield
		Heavyweight gloves
		Nomex or equivalent fire-resistant lab coat
	pyrophoric (air-reactive) solids or liquids	Safety glasses or goggles
	Fyroperation (and contact, contact or in-quant	Face shield recommended
		Nomex or equivalent fire-resistant gloves
		Appropriate chemical resistant gloves
		Nomex or equivalent fire-resistant lab coat
	particularly hazardous substances including	Safety glasses or goggles
	carcinogens, reproductive toxins, and reagents of	Appropriate chemical resistant gloves
	high acute toxicity	o Lab coat
	DI 1	Respirators as needed
Biological Materials	BL1 microorganisms or viruses BL2 microorganisms, viruses, viral vectors,	Disposable glovesDisposable gloves
	human materials or Old World primate materials	Lab coat
	procedures outside of the Biosafety Cabinet	Safety glasses or goggles
Sio Aa	without splatter guard when splashes or sprays	Disposable gloves
	are anticipated	o Lab coat
Radiation	unsealed radioactive materials or waste	o Safety glasses if there is a splash potential or if 10 milliCuries or
		more of 32P is used
		Nitrile or other appropriate gloves
		o Lab coat
	Class 3B or 4 laser	Appropriate eye protection
	o and if UV laser	o Gloves
	1 () 10 11	o Lab coat
	laser(s) modified by optics	Appropriate eye protection
22	open ultraviolet light source	Safety glasses or goggles with UV protection
	o and if face enters UV beam	UV face shield
	o and if hand enters UV beam	o Gloves o Lab coat
	o and if body enters UV beam infrared-emitting equipment	Appropriately-shaded goggles
	mirared-emitting equipment	Appropriatery-shaded goggles Lab coat
Other Hazards	handling hot surfaces and objects such as	Heat-resistant gloves
	autoclaved materials and heated glassware	o Lab coat
	glassware under pressure or vacuum	Safety glasses or goggles
	•	Face shield recommended
i ii		o Lab coat
Other	cutting and connecting glass tubing	Safety glasses or goggles
	_	Cut-resistant gloves
	sonicator or other loud equipment	o Ear plugs or ear muffs

Closed-toed shoes that cover the entire foot should be worn when working in a laboratory. More guidance available $\underline{\text{online}}$.

Revision Date: 4/21/2015 Page 1 of 1