

DETERGENT SELECTION GUIDE

Application Key Concerns	Articles Cleaned/Soil Removed	Cleaning Method	Recommended Detergent	
Healthcare Effective preparation for sterilization, longer instrument life. Minimize cross-contamination. Reduce waste.	Surgical, anaesthetic, and examining instruments and equipment. Catheters and tubes.	Manual, Ultrasonic, Soak Machine washer, sani-sterilizer	ALCONOX, LIQUI-NOX ALCOJET, LUMINOX, CITRAJET	
	Difficult proteinaceous soils, blood and other body fluids, tissue on instruments.	Manual, Ultrasonic, Soak Machine washer, sani-sterilizer	TERG-A-ZYME ALCOJET, LUMINOX	
	Product-contact surfaces.	Manual, Ultrasonic, Soak, C-I-P* Machine washer, power wash	ALCONOX, LIQUI-NOX ALCOJET, DET-O-JET LUMINOX, CITRAJET	
	Inorganic residues, salts, metallics, pigments.	Manual, Ultrasonic, Soak, C-I-P* Machine washer, power wash	CITRANOX CITRAJET	
Pharmaceutical/ Medical Device Passing cleaning validation for FDA good manufacturing practices.	Protein/ferment residues. R/O, U/F membranes.	Manual, Ultrasonic, Soak, C-I-P* Machine washer, power wash	TERG-A-ZYME ALCONOX, LIQUI-NOX	
	Glass, metal, plastic labware, ceramics, tissue culture, porcelain, clean rooms, animal cages, bioreactors, tubing, benches, safety equipment.	Manual, Ultrasonic, Soak, C-I-P* Machine, power spray, labware washer, washer-sterilizer, cage-washers	ALCONOX, LIQUI-NOX ALCOJET, LUMINOX DET-O-JET, CITRAJET	
	Tubes, reusable pipets.	Siphon-type washer-rinsers	ALCOTABS	
	Water and environmental sampling. Phosphate-sensitive labware. EPA procedures.	Manual, Ultrasonic, Soak, C-I-P* Machine washer, labware washer	LIQUI-NOX, CITRANOX DETERGENT 8, CITRAJET	
	Radioactive equipment/contaminants.	Manual, Ultrasonic, Soak, C-I-P*	ALCONOX	
	Stopcock grease.	Machine washer, warewasher	ALCOJET	
	Trace metals, metal oxides, scale.	Manual, Ultrasonic, Soak, C-I-P* Machine washer, warewasher	CITRANOX CITRAJET	
	Proteinaceous soils, bio-wastes, tissue, blood and other body fluids, fermentation residues.	Manual, Ultrasonic, Soak, C-I-P* Glassware washer	TERG-A-ZYME ALCOJET, DET-O-JET	
	Metalworking and Precision Manufacturing Clean parts, avoid volatile solvents, strong acids, and other hazardous chemicals.	Glass, ceramic, porcelain, stainless steel, plastic, rubber. Oils, chemicals, particulates.	Manual, Ultrasonic, Soak, C-I-P* Machine washer, power wash	ALCONOX, LIQUI-NOX ALCOJET, DET-O-JET
		Aluminum, brass, copper, and other soft metal parts. Oils, chemicals, particulates.	Manual, Ultrasonic, Soak, C-I-P* Parts washer, power wash	ALCONOX, LIQUI-NOX ALCOJET, LUMINOX
		Inorganics, metallic complexes, trace metals and oxides, scale, salts, buffing compounds.	Manual, Ultrasonic, Soak, C-I-P* Parts washer, power wash	CITRANOX ALCOJET, DET-O-JET, CITRAJET
		Silicone oils, mold-release agents, buffing compounds.	Manual, Ultrasonic, Soak, C-I-P* Parts washer, pressure spray	ALCONOX ALCOJET, DET-O-JET
Metal oxides, scale, salts. Metal brightening.		Manual, Ultrasonic, Soak, C-I-P* Parts washer, pressure spray	CITRANOX CITRAJET	
Environmental No interfering residues. Phosphate free.		Bailers, samplers, augers, containers, tubing, teflon, glass, rubber, stainless steel.	Manual, Ultrasonic, Soak, C-I-P* Machine wash, pressure spray	LIQUI-NOX, DETERGENT 8 DETERGENT 8, LUMINOX
	Electronics Avoid conductive residues, avoid CFCs, pass cleaning criteria.	Circuit boards, assemblies, screens, parts, conductive residues, resins, rosins, fluxes, particulates, salts.	Manual, Ultrasonic, Soak Machine washer, power spray board and screen washers	DETERGENT 8, LUMINOX DETERGENT 8, LUMINOX
Ceramic insulators and components.		Manual, Ultrasonic, Soak Parts washers	ALCONOX, LIQUI-NOX ALCOJET, DET-O-JET, CITRAJET	
Food and Dairy Avoid interfering residues on food-contact equipment.	Stainless steel, food-contact equipment.	Manual, Ultrasonic, Soak, C-I-P* Machine wash, pressure washers	ALCONOX, LIQUI-NOX ALCOJET, DET-O-JET, CITRAJET	
	Oxides, scale, trace metals, salts, milkstone.	Manual, Ultrasonic, Soak, C-I-P* Machine wash, pressure washers	CITRANOX CITRAJET	
	Filter membranes. Proteinaceous soils.	Manual, Ultrasonic, Soak, C-I-P*	TERG-A-ZYME	
Cosmetics Avoid cross-contamination.	Product contact surfaces.	Manual, Ultrasonic, Soak, C-I-P* Parts washers, power spray	ALCONOX, LIQUI-NOX CITRANOX, LUMINOX ALCOJET, DET-O-JET, LUMINOX, CITRAJET	
	Optics Avoid optical interference	Lenses, substrates, mirrors, reflectors, fibers.	Manual, Ultrasonic, Soak Parts washers, machine washers	ALCONOX, LIQUI-NOX CITRANOX, LUMINOX ALCOJET, DET-O-JET, LUMINOX
Nuclear Avoid waste interference		Reactor cavities, pipes, tools, protective equipment.	Manual, Soak, Spray	DETERGENT 8, LUMINOX, ALCONOX

*Clean-in-Place by circulating, for spray clean-in-place see machine washer detergents.

To purchase detergent contact your laboratory, healthcare, or industrial supply company.