



List of Green Products

As the need for more sustainable laboratory products increases, the range of eco-friendly merchandise continues to expand. This list outlines alternative options to conventional laboratory products and equipment, highlighting the advantages they offer to both users and the environment.

WATER REDUCTION		
Product	Vendor	Benefit
Water Purification Condensate Recirculating System	Caron VWR	Water reduction through recirculation
Water Bath Beads LabArmor™ Bath Beads	Sheldon Manufacturing VWR	Reduce water consumption
Laboratory Filtration Systems	EMD Millipore	Eliminate the use of water aspirators
EZ-Fit® Filter Holder Manifolds	EMD Millipore	Eliminate the use of water aspirators
CO2 Incubator Reach-in Incubator with gVAPOR™ temperature control	Caron VWR	gVAPOR™ - Delivering humidity vapor on an as-needed basis without wasting energy or heat
Air Condenser FINDENSER	Heidolph VWR	Reduce water use in air condensing
1225 Sampling Manifold for smaller volumes	EMD Millipore	Simultaneously filter up to 12 samples

ENERGY EFFICIENCY		
Product	Manufacturer - Distributor	Benefit
Biosafety Cabinet Purifier Logic®	Labconco VWR	Idles blower when sash is fully closed
CO2 Incubator Reach-in Incubator with gVAPOR™ temperature control	Caron VWR	gVAPOR™ - Delivering humidity vapor on an as-needed basis without wasting energy or heat
Environmental Test Chamber Benchtop and Large Capacity	Caron VWR	Humidity provided as needed without wasting energy or producing heat
Refrigeration on Demand (efficient management of power and saves electricity)	In fume hood blower	Intelli-Sense™ Variable Speed Blowers
LED lights for labs LabLink LED LabLight	PG LifeLink VWR	Energy Star rated components, efficient management of heat generated by high-power LEDs, 50,000 hours LED service life
Local Area Vacuum Network Vacuu-Lan® by Vacuubrand	Lab Synergy VWR	Pumps operate only on demand, conserving up to 90% of the energy that may be needed



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		for central vacuum supply. High-performance vacuum removes the need for dedicated pumps.
Microtomes Cryostar™ NX70	Thermo Scientific VWR	Rapid response cooling system, precise temperature control and less energy consumption, utilizes low energy LED lighting
Panasonic VIP Eco Natural Refrigerant ULT Freezer	Panasonic VWR	The freezer operates on natural refrigerants.
Refrigerated CO2 Incubator Reach-in incubator with gROD™ temperature control	Caron VWR	gROD™ Refrigeration on Demand - delivering refrigeration on an as-needed basis, efficient power management and consumption
Refrigerated Incubator B.O.D. Thermoelectric Cooled	Sheldon Manufacturing VWR	Units use 78% less power than alternative models and reduce room air conditioning loads by 75%.
Spectrometer Spectrum Two™ FT-IR	Perkin Elmer VWR	76% reduction in energy use compared to the PerkinElmer RX spectrometer, 75% (by weight) of unit can be recycled
Ultra-Low Temperature Freezers CryoCube High Efficiency	Eppendorf VWR	Optimal air flow to prevent over-heating and features that provide tight control of the temperature
Ultra-Low Temperature Upright Freezers Stirling Ultracold SU780XLE	Stirling Ultracold VWR	Low Energy Consumption, Large Storage Capacity per Sq Ft. of floor space. Plugs into any outlet. High long-term reliability.
Ultra-Low Temperature Upright Freezers Thermo TSX®	Thermo Scientific VWR	Features high energy efficiency and provides tight control of temperature
Ultracentrifuge Optima XPN-100 Ultracentrifuge	Beckman Coulter VWR	Regenerative braking returns energy to local circuit. Highly efficient thermoelectric cooling results in lower power consumption. Minimized energy usage when idling.
VWR Fridges and Freezers	VWR	The VWR line of refrigerators and freezers operate with natural refrigerants.



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HAZARDOUS WASTE MINIMIZATION		
Product	Vendor	Benefit
Autoclave Indicator Tape AUTOPC (lead-free)	Micronova VWR	Lead-free autoclave tape
Autoclave Tape	VWR	Lead-free, latex-free autoclave tape
Blue Light DNA Dye EZ-Vision® In-Gel Solution	Amresco VWR	Safe chemical substitutions, non-mutagenic, non-toxic
Detergents: Alconox PCC-54 RBS35	Alconox (VWR) Thermo Scientific (VWR)	Biodegradable, phosphate-free, and/or less hazardous
DNA MW Markers Ready Ladder™ or EZ-Vision®	Amresco VWR	Safe chemical substitutions
Dye-as-Loading Buffer EZ- Vision®	Amresco VWR	Safe chemical substitutions, non-mutagenic, non-toxic
Green Electrodes InLab Series®	Mettler Toledo VWR	Comply with RoHS and WEEE standards
Greener Cleaning Products: MegaClean : All-purpose cleaner NovaClean : Lab/Glass cleaner	Micronova VWR	Biodegradable, non-flammable
ImageQuant™ CCD Camera Systems	GE HealthCare VWR	Replaces wet processes
Karl Fischer reagents Aquastar® Pyridine-free	EMD VWR	Pyridine free
Nucleic Acid Gel Stains GelRed™ and GelGreen™	Biotium VWR	Substitute for hazardous Ethidium Bromide
Partial-Immersion Thermometers Easy-Read® Certified Liquid In Glass Thermometer	HB Instrument Company VWR	Non-toxic, non-hazardous components
Protein Stain Pierce GelCode® Blue Stain Reagent	Thermo Scientific VWR	Safe chemical substitutions, reduces reagent cost and solvent disposal
qPCR Mastermix EvaGreen®	Biotium VWR	Substitute for hazardous Ethidium Bromide
RNA Gel Kit Formaldehyde-Free Kit	Amresco VWR	Formaldehyde free



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Spill Kit Supplies: Absorbent Mats Spill Kits DrainBlockers	New Pig VWR	Sustainable options for spill kits
Thermometers Liquid-in-glass, non-mercury	VWR	Mercury-free thermometer, with non-toxic alternative
Total RNA Purification Kit Phenol-free Purification Kit	Amresco VWR	Phenol Free
Vacuum Pumps LABOPORT®	KNF Neuberger VWR	Oil-free
AQUACOUNTER® automatic Coulometric Karl Fischer Tirator	Hitachi High-Tech	Safe chemical substitutions (less reagent and waste)
AquaMetric® Pyridine-free volumetric Karl Fischer reagents	Panreac	Pyridine free
Coomassie Stain Bio-safe (non-hazardous)	Bio-rad	Safe chemical substitution
Formalin alternative: Glyo-fixx®	ThermoFisher Scientific	Glyo-Fixx is a non-carcinogenic, non-sensitizing, and environmentally friendly substitute for formalin
LabSafe GEL Blue™ Electrophoresis Gel Stain	G-Biosciences VWR	Avoids the use of methanol, acetic acid, or other toxic agents
QC Eco-Green Heat Transfer Fluid	Chemical.net	Eco-green liquid for use in heat transfer equipment
SYBR® Safe DNA Gel Stain	Thermo Fisher Scientific	Substitute for hazardous Ethidium Bromide



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SOLID WASTE REDUCTION		
Product	Vendor	Benefit
96-Well Microplates Half-Area Microplates	Greiner Bio-One VWR	Uses less plastic
ART Racks for Filter Tips Reload System	Thermo Scientific VWR	Uses less plastic
Automated Reagent Dispenser Multidrop™ Combi	Thermo Scientific VWR	Reduced reagent cost
Centrifuge Tubes VWR® High-Performance tubes	VWR	Reusable Racks for 15mL and 50mL, uses less plastic
CO2 and Temperature Monitoring Systems	VWR	Paperless CO2 and temperature tracking systems
Pipet Tip Box Recycling TerraCycle®	VWR	Recycling program to reduce landfill waste
Pipet Tip Refill System Biotix Tip Eject™	Biotix VWR	Uses less plastic
Pipet Tip Refill System Neptune™ ESP	Biotix VWR	Uses less plastic
Pipet Tip Refill System VWR® Next Generation	VWR	Use less plastic, reduced and recycled packaging
Pipet tips – Bulk and Racked Neptune™	Biotix VWR	Uses less plastic
Pipet Tips – Bulk, racked and reload system	Biohit Family Sartorius VWR	100% recyclable trays and racks, uses less plastic
Syringe Filters Acrodisc® PSF Syringe Filters	Pall VWR	Uses less plastic
Tissue Processing and Stains	Thermo Scientific VWR	Packaging uses less plastic
Vacuum Filtration Devices VacuCap®	Pall VWR	Little plastic waste, no contamination, refilling of reservoir
Weighing boat holders ErgoClips®	Mettler Toledo VWR	No need for weighing paper