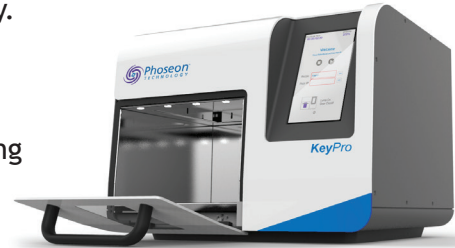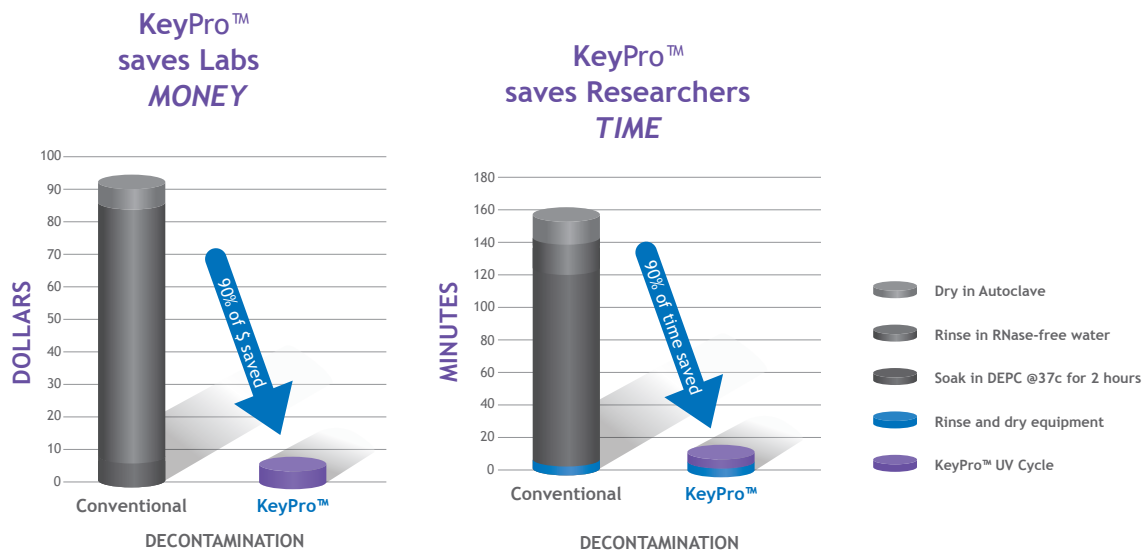# KeyPro™ KP100
Product Specifications

Potential biological contaminants are pervasive in the laboratory. Miniscule amounts of common enzymes such as RNase can make an experimental series inaccurate. Standard techniques for decontaminating laboratory equipment can take hours. KeyPro™ KP100 eliminates contamination without residue or rinsing, saving up to 90% of the time and cost of chemical decontamination. Simply load compatible reagents and solvents and run your decontamination cycle just prior to adding sample.

KeyPro Benefits

- Complete inactivation of contaminants
- Speeds lab throughput
- Simple touch-screen interface

- Stable, consistent scientific outcomes
- Reduce lab consumables costs
- Seamless workflow integration

KeyPro Laboratory Impact

KeyPro™ saves Labs MONEY — DOLLARS vs DECONTAMINATION (Conventional vs KeyPro™), 90% of $ saved

KeyPro™ saves Researchers TIME — MINUTES vs DECONTAMINATION (Conventional vs KeyPro™), 90% of time saved

Legend:
- Dry in Autoclave
- Rinse in RNase-free water
- Soak in DEPC @37c for 2 hours
- Rinse and dry equipment
- KeyPro™ UV Cycle

Target Model Usage

KP100: Microplate decontamination in labs that require high fidelity RNA library prep, sequencing, and PCR

Operation

Phoseon's patented Semiconductor Light Matrix (SLM™) technology encapsulates LED arrays, optics, and thermal cooling technology to maximize disinfection and/or decontamination performance.

KeyPro Display	KeyPro Chamber
• Intuitive touch-screen with timer setting • Programmable and provided standard recipe protocols • Audible and visual completion notification • Intensity Control: 0 to 100%, in 1% increments	• Compatible microplate shelf adjustable from 4 to 80mm, in 4mm increments • Proprietary SLM™ scanning array • Safety lock door system, also acts as emergency stop

Technical Specifications

KeyPro	
Equipment Type	Laboratory Test, Measurement, and Control Equipment indoor use only
Wavelengths	Optimized combination of independently selectable UV-C (275nm) and UV-A (365nm)
Optional Items	Microplate Bead Dispenser, Microplate Stage, extended warranty
Temperature	15°C to 30°C
Humidity	up to 80% non-condensing for temperatures up to 30°C
Altitude	up to 3,000M (9,850 ft)
Sound Level	<= 60dBA
Surface temperature	<= 40°C
Startup-time	< 30 sec
Dimensions (LxWxH)	356x458x280mm; 14x18x11in
Chamber Dimensions (LxWxH)	160x132x90mm
Weight	< 15Kg; < 33 lb
Operating Power	100 to 140VAC; 50/60Hz input
Air Input / Exhaust	Allow minimum 50mm (2 in) clearance from back panel
Certifications	RoHS, REACH