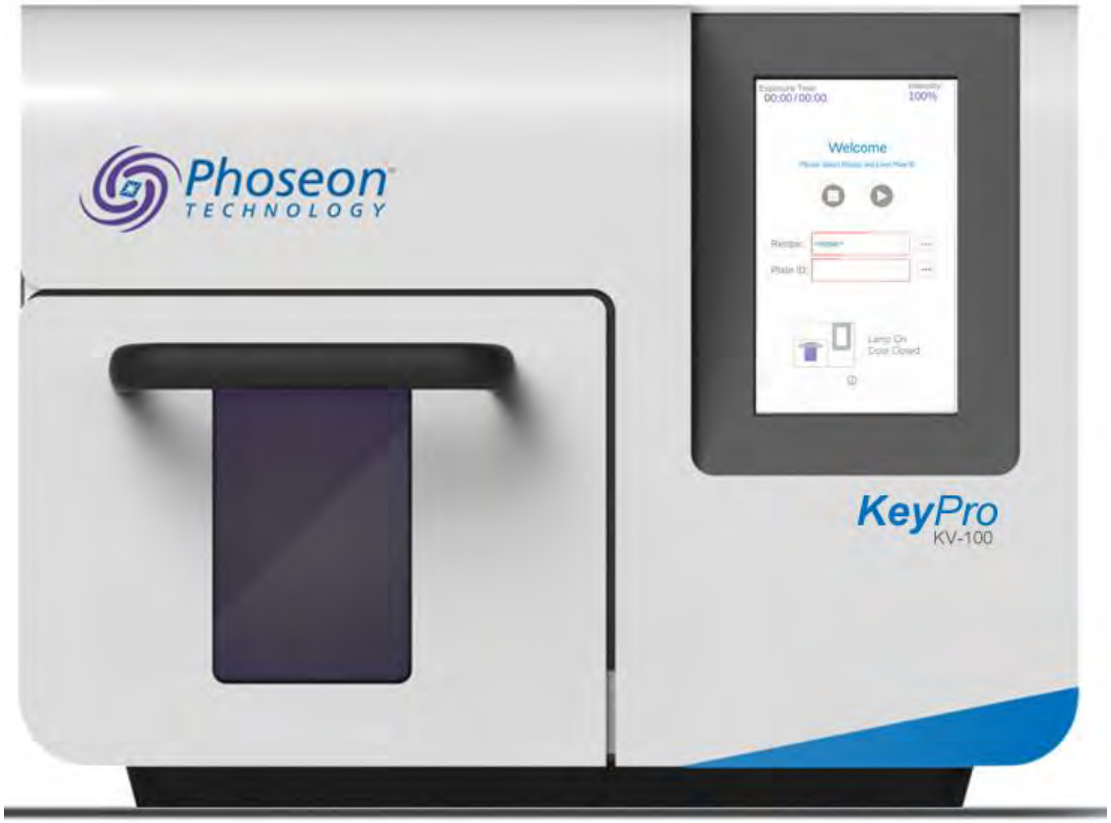
Phoseon™
TECHNOLOGY

Leading the Way in Life Sciences

KeyPro™ Product Line

Inactivation of Biomolecules & Microorganisms

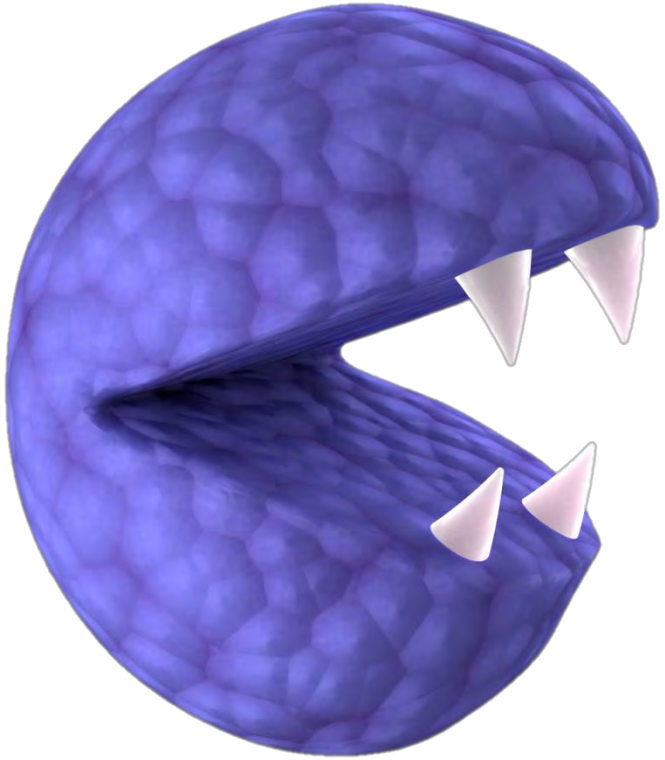
- DNA and RNA
- DNase enzyme
- RNase enzyme
- Bacteria
- Virus
- Fungi



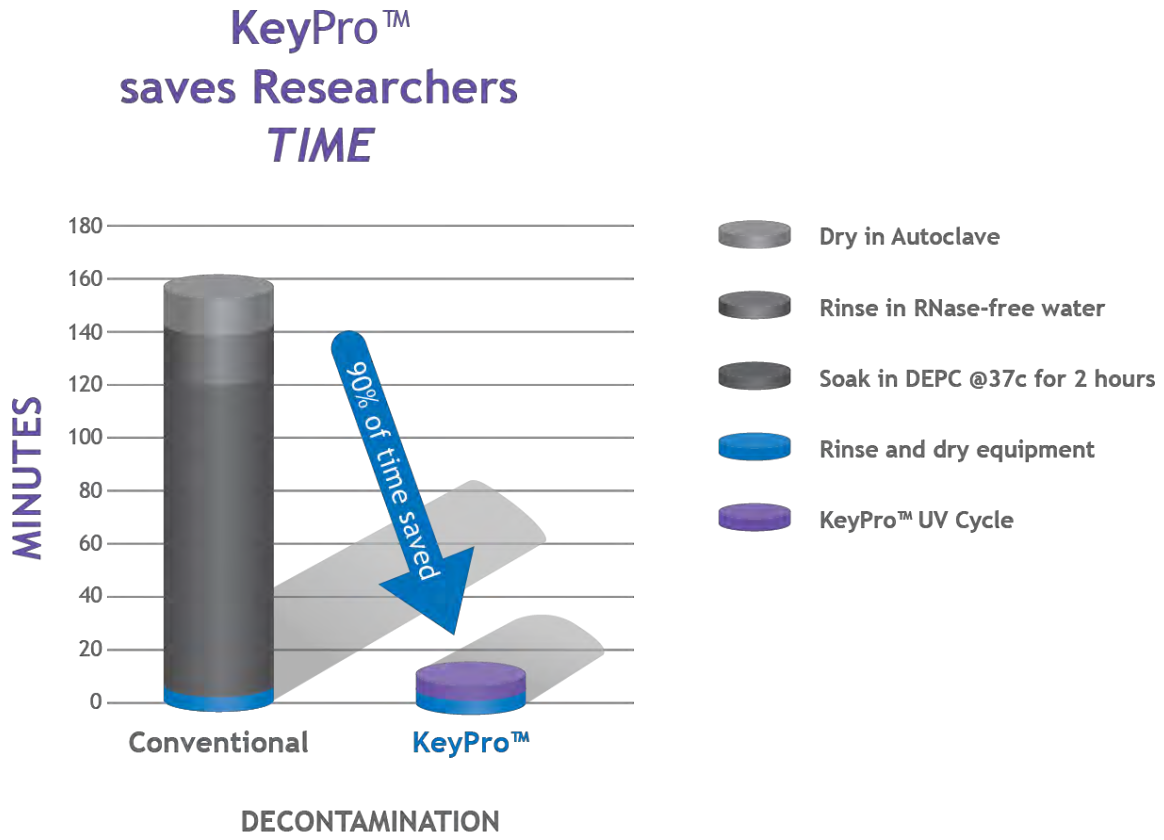
Ribonuclease A

Background:

- Ribonuclease A (RNase A) is an enzyme that cuts RNA strands
- Sequencing lab menace; very difficult to remove or inactivate



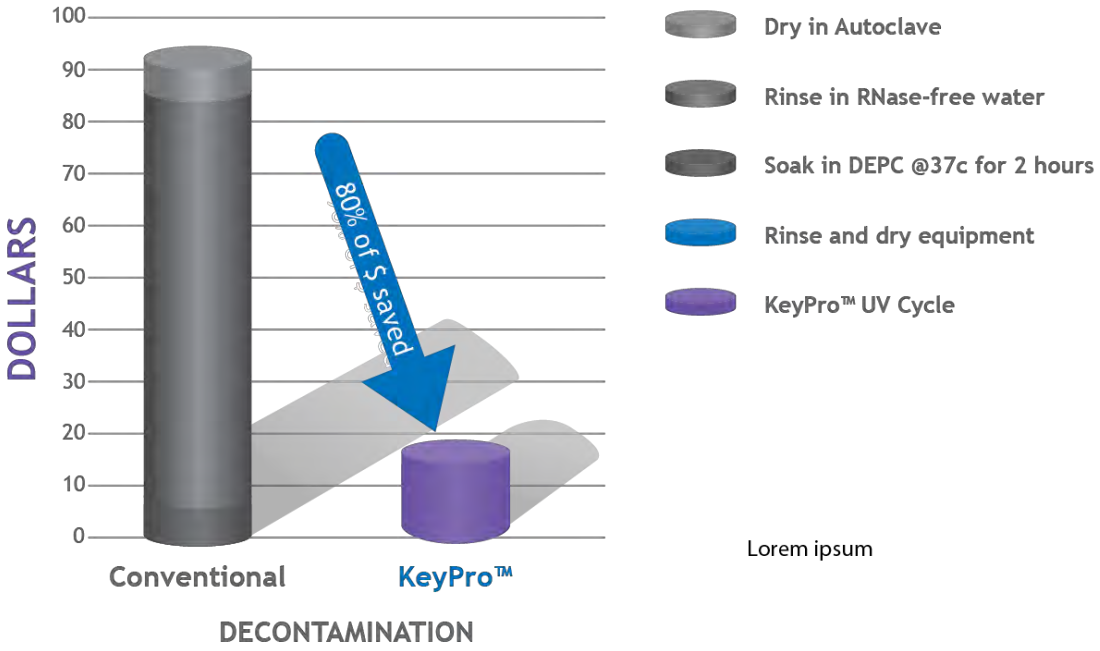
KeyPro™ vs. Conventional RNase Decontamination



KeyPro™ saves researchers time and effort for decontamination of RNase

KeyPro™ vs. Conventional RNase Decontamination

KeyPro™ saves Labs *MONEY*

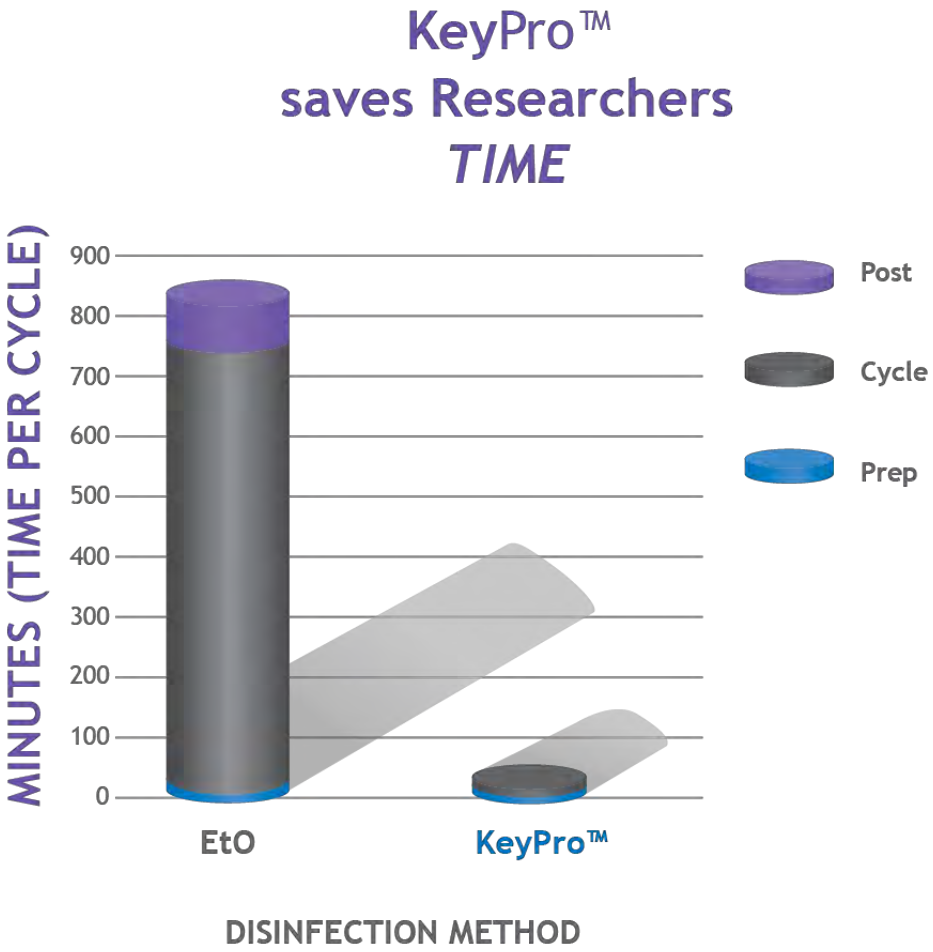


Lorem ipsum

KeyPro™ saves money

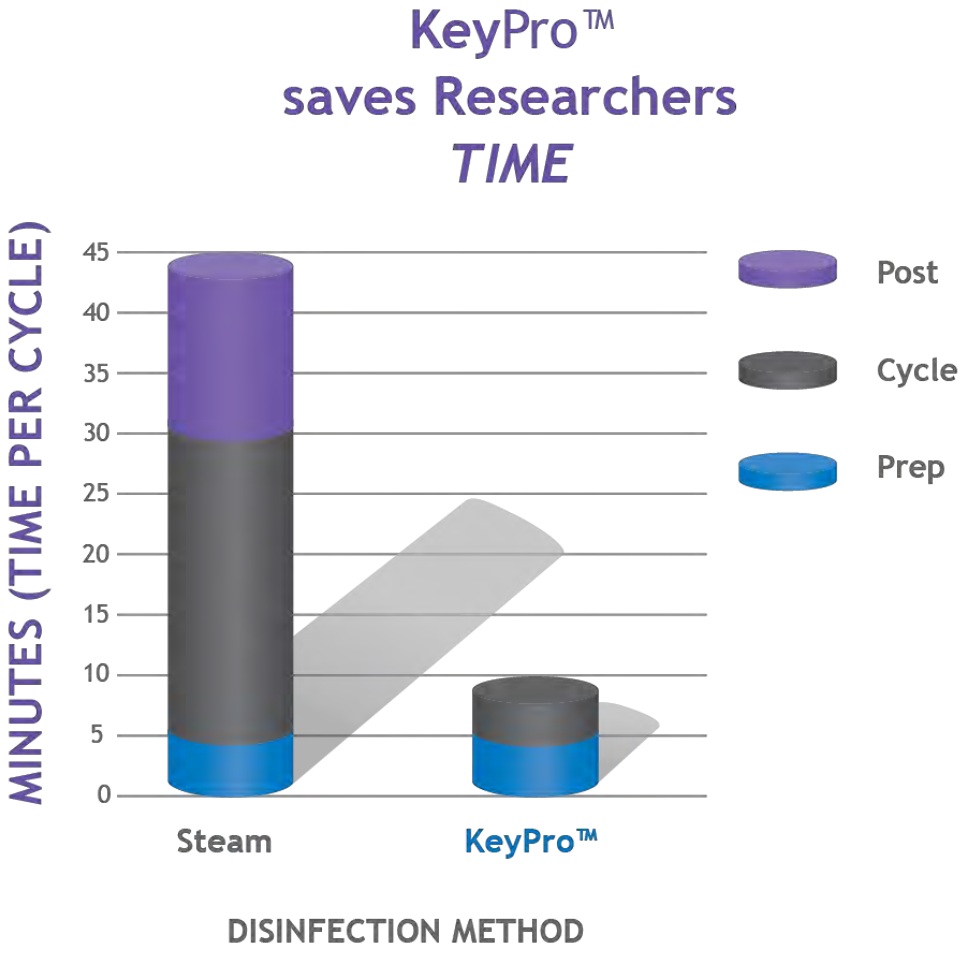
*Per cycle cost assuming 1 cycle per day, list price amortized over 3 years

KeyPro™ vs. EtO



KeyPro™ **saves time and effort for disinfection of** microorganisms

KeyPro™ vs. Steam



KeyPro™ **saves time and effort for disinfection of** microorganisms

KeyPro™ Microplate Prep System

- Designed for decontamination of 100mm x 150 mm microtiter plates, but flexible
- High-Intensity 275 nm & 365 nm irradiation @ 5 mm from window; medium-intensity throughout rest of chamber for disinfection or gel crosslinking
- Uniform irradiance over 150 mm x 100 mm area
- Touch screen control for exposure duration & intensity (10 to 100%)
- Safety lock-out disables light engine when drawer is open
- Protocol storage & records available via touch screen

Phoseon Life Sciences

Bio-Inactivation Advantages:

- Power: Phoseon Technology leads the world in UV LED intensity & power
- Control: KeyPro technology carefully controls the intensity of UV light for predictable, reproducible results, every time
- Smart: KeyPro systems use only the wavelengths of light that are needed to inactivate the targeted biomolecules.

Bio-Inactivation Limitations:

- Line-of-sight: UV light can only decontaminate/disinfect surfaces with direct exposure
- Materials: UV light is not compatible with all plastics