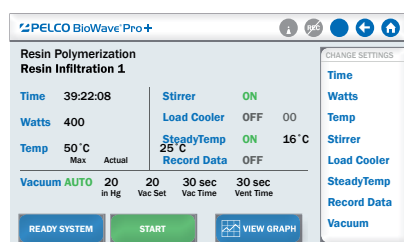


Pelco BioWave Pro +

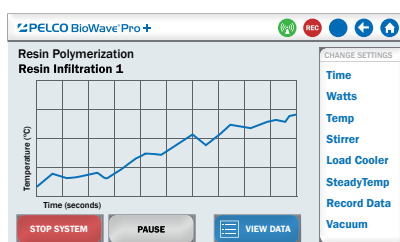
Trusted technology, enhanced efficiency

The PELCO BioWave® Pro+ was designed using over 25 years of proven experience in microwave tissue processing. The incredible efficiency of the PELCO BioWave Pro+ has improved electron microscopy processing to be 95% faster than traditional bench processing. Improvements and enhancements continue to highlight the advantages of the PELCO BioWave Pro+ for many facets of laboratory use.



User-friendly run screens

Intuitive functions in a simple, consistent format offer all setting controls within one screen.



Live run-time graph

Quick and convenient view of the current protocol in real-time provides an active view of run progress.



Simplified protocol selection

Icon-driven interface allows users one-touch access to pre-loaded and customized protocols.

Unmatched control

The PELCO BioWave Pro+ offers a unique and unparalleled level of control over microwave processes for reliable and reproducible results. By being designed to properly use microwave energy, the PELCO BioWave Pro+ provides tools for control of the environment at the specimen level and the internal chamber.

Variable wattage and PELCO ColdSpot technology

Variable wattage provides an essential avenue of control for the PELCO BioWave Pro+. As compared to "pulsed power" microwaves, variable wattage allows the user to limit the exposure of any specimen to the minimum energy necessary to process the specimen. The patented ColdSpot technology alleviates inconsistent wattage delivery in the microwave cavity, guarding the specimens from excessive microwave energy.

Versatility and reproducibility

The versatility of the PELCO BioWave Pro+ is demonstrated through the diverse application kits available for various laboratory procedures. A comprehensive set of accessories offers a wide range of applications with a single instrument. Accessories designed specifically for each microwave application provide for easy reproducibility.

Specifications BioWave Pro	
Dimensions	533 mm x 514 mm x 546 mm
Weight	37 kg
Microwave power range	Continuous power from 100 – 750 W
Microwave frequency	2.45 Ghz
User interface	7" Touchscreen
Temperature probe	±1°C
Magnetic stirrer	Integrated, 0 – 3000 rpm speed
Exhaust	3,11 m ³ /min (110 cfm) capacity
Vacuum system	20" Hg, 3 modes
Certification	ETL/CE
Power 36700	120 V, 15 A, 60 Hz dedicated circuit
Power 36700-230	230 V, 10 A, 50 Hz dedicated circuit

Pelco BioWave Pro +

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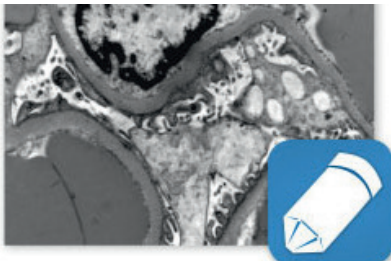
PELCO BioWave Pro+ RPM app

The PELCO BioWave Pro+ RPM app fits nicely into a core facility or multi-user environment by providing options to users for data manipulation. Each user is able to create a folder for their protocols and recorded data on the PELCO BioWave Pro+ directly or may choose to keep their data and protocols on a USB key.

The Report/Protocol Manager (RPM) app is designed to meet diagnostic laboratory requirements on reviewing recorded data for each protocol. Recorded data can be downloaded to the USB key and then transferred into the RPM app on a laboratory computer. The RPM app also provides an improved design for protocol creation and review. The completed protocol can be saved to the USB key and then imported to the PELCO BioWave Pro+ directly from the touchscreen.

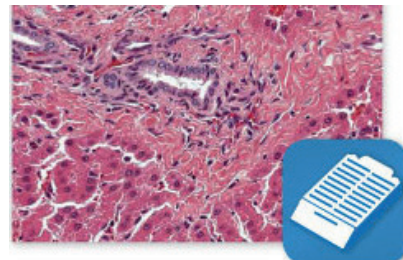
Application kits

Electron microscopy



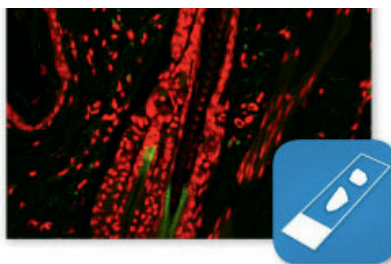
This kit provides a full range of accessories designed for efficient EM processing in the microwave, enabling complete process from fixation to resin.

Paraffin tissue processing



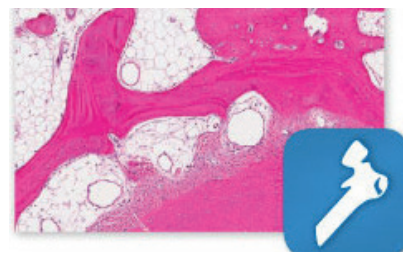
All the accessories needed for complete paraffin processing are included in this kit. Vacuum-assisted infiltration, along with microwave energy, enhances any standard protocol.

Immunolabeling



The versatility of this kit equips the user for multiple types of staining protocols. All accessories are compatible with immunohistochemistry and immunofluorescence stains and reagents.

Decalcification



The unique components of this kit provide a true advantage to the decalcification process. Microwave technology provides notable savings of time and reagent, offsetting decalcification's most significant limitations.