

Decloaking Chamber™ NxGen

Digital Programmable Pressure System for Heat-Induced Epitope Retrieval (HIER)

NXGEN



The Next Generation Is Now

The Decloaking Chamber is an excellent tool for HIER. The proper use of heat and pressure in conjunction with the appropriate buffer solutions is of the utmost importance for consistent immunohistochemistry (IHC) staining. The Decloaking Chamber is designed to optimize and standardize antibody staining procedures and has been engineered to pass strict laboratory safety and quality control requirements. Temperature, pressure and time can be monitored and recorded to produce consistent staining.

- ▶ Achieve consistent IHC staining
- ▶ Standardize antigen retrieval protocols
- ▶ Monitor temperature, pressure & time

Decloaking Chamber™ NxGen

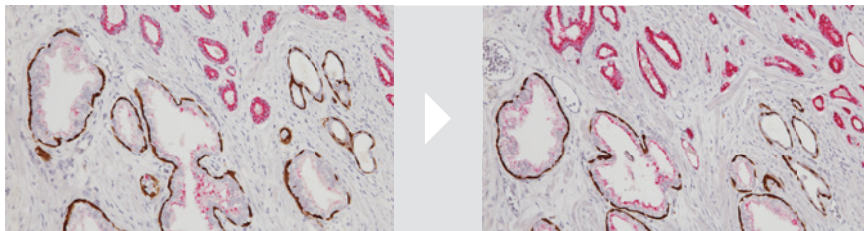
The Decloaking Chamber™ NxGen has been designed for heat-induced epitope retrieval (HIER) and ease of use. It has 5 discrete temperature settings ranging between 60°C and 110°C with user programmable times. The 110°C antigen retrieval protocol can be completed from start to finish in under an hour. With a 72 total slide capacity and only minutes of hands-on time per run, the NxGen offers a walk-away capability similar to fully automated staining instruments.

The Decloaking Chamber NxGen also has advanced reporting capabilities. Run data is transferred in real time to the USB drive and transferrable to any user's computer. The included software will automatically create a chart report, graphing the temperature and pressure readings over time throughout the run. This report is archivable and printable for QC logs. Additional reports include summations of instrument usage, customizable by unit and date range.

With the introduction of metal slide canisters (3 are included with the unit), the required maximum temperature has been reduced from 125°C to 110°C. The metal slide canisters allow for a quicker equilibrium between the buffer solution and the water in the chamber compared to plastic containers. With lower maximum pressure and temperature, a safer operating environment is achieved. Extensive testing has shown that the new 110°C, 12 minute protocol is equivalent in total run time and results to the previous 125°C, 30 second protocol.



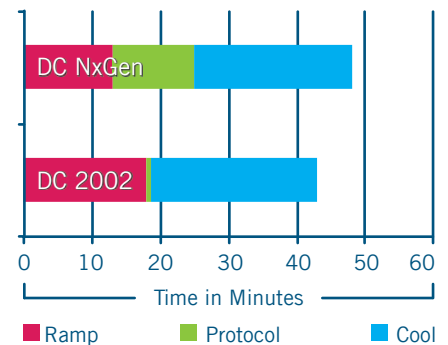
PIN-4™ Cocktail on Prostate: DC2002 and DC NxGen show equivalent results



125°C, 30 seconds in DC2002

110°C, 12 minutes in DC NxGen

Total Protocol Time Comparison



Specifications

Specifications	
Dimensions (W x H x D)	14.2" x 13.5" x 13" / 36.1 cm x 34.3 cm x 33.0 cm
Weight	13 lbs / 6.91 kg
Temperature range	60°C - 110°C (+/- 5°C)
Slide capacity	72 total slides (3 slide canisters of 24 slides each)
Power requirements	115V, 60Hz, 1000W (110V); 230V, 50Hz, 1000W (220V)

Ordering Information

Ordering Information	Cat. No.
Decloaking Chamber NxGen (For use in 110V markets)	DC2012
Decloaking Chamber NxGen (For use in 220V markets)	DC2012-220V

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