

SEAL
Analytical



AUTOMATED

Dispense

Mix

Heat

Fill to volume

NEW FOR 2018

- ▶ 72 position 50ml vials
- ▶ Heat to 300°C
- ▶ Carbon fiber arms
- ▶ Corrosion resistant
- ▶ Accurate fill to volume
- ▶ USB connection
- ▶ Bluetooth compatible
- ▶ Internal air purge



**RELIABLE
METALS
DIGESTION**

ALL NEW

DEENA 3

AUTOMATED DIGESTION BLOCK

Ideal for trace metals sample preparation



Suitable for EPA
Approved Methods:
200.2, 200.7, 200.8, 245.1,
3050B, 7470A, 7471A

AUTOMATION

DEENA is a sample digestion system that fully automates the digestion process. DEENA will accurately dispense small volumes of reagents into sample tubes, mix thoroughly, apply heat, and then fill to volume after the digestion is completed. Automating each step of the process ensures that each sample is treated exactly the same and safeguards against human error.

DURABILITY

All of the DEENA's electronics are securely protected inside an instrument body comprised of high grade PTFE and powder-coated steel. All of the wetted parts are made of carbon fiber and high purity plastics. This allows the DEENA to reliably run despite the harsh digestion environment it operates in.

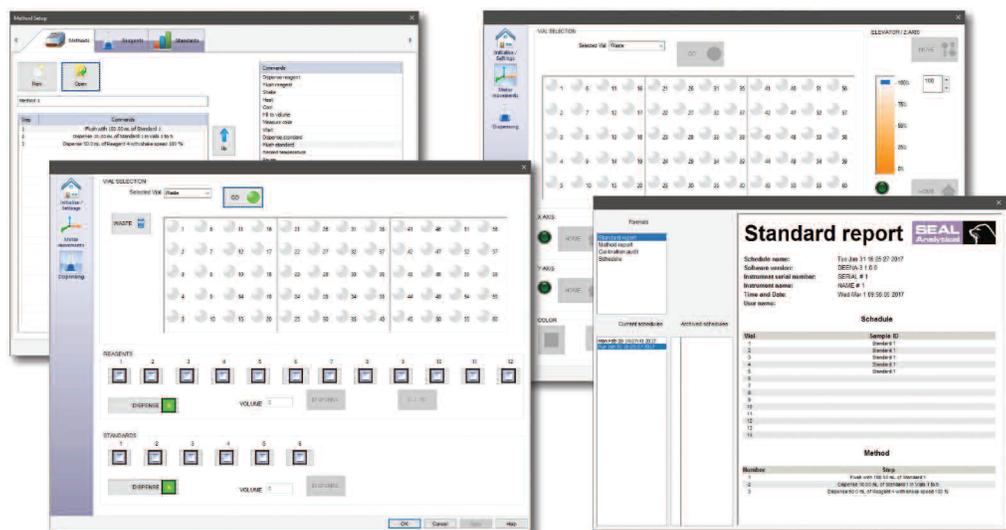
EFFICIENCY

DEENA has a standby (warm) feature which allows for a new batch to rapidly be brought up to digestion temperature. Overnight digestions can be set up to automatically start at a predetermined time so that samples are ready for analysis at the beginning of each day. Having a DEENA fully automate the entire digestion procedure frees up valuable lab personnel.

SAFETY

The digestion system significantly increases laboratory safety by eliminating the manual dispensing of corrosive acids and other dangerous reagents. DEENA can also safely operate on a benchtop with the optional self-contained fume hood, freeing up valuable hood space.

DEENA 3's
intuitive new
software is
touchscreen
compatible.



DEENA's intuitive software is designed for easy navigation with user-friendly icons and menus. Methods are completely customizable with easy to understand commands, and several commonly used methods come pre-loaded in the software. Each instrument command is time-stamped on reports and will satisfy any audit requirements. A detailed log can be printed or exported for tracking every sample throughout the run. Real time functions allow the user to track sample temperature and insert comments while the run is in progress.



ACCESSORIES



FUME HOOD

► HIGHLY RECOMMENDED

Free up valuable hood space with this self-contained HEPA filtered fume hood. Connecting directly to your existing duct work, this allows the DEENA to operate safely on your laboratory bench.



VIAL TYPES AVAILABLE

► 15 ml, 50 ml, 100 ml

Polypropylene

Can be heated up to 135°C.

PTFE

Can be heated up to 200°C.

Glass

Can be heated over 200°C.



Reliable digestions

DEENA evenly heats every sample to ensure complete, uniform, reproducible digestion

Eliminates manual handling of corrosive acids

No cross contamination

No direct contact with sample or vial



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