

Positive pressure workstation

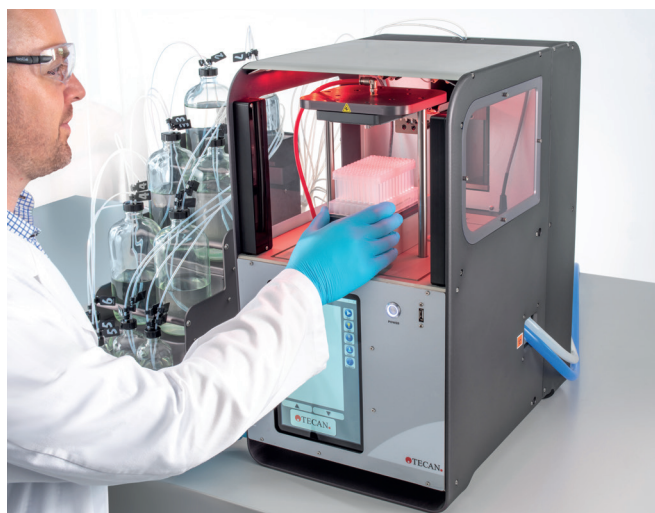
for MS sample prep.

RESOLVEX® A200 AUTOMATED POSITIVE PRESSURE WORKSTATION

- Automated compact benchtop workstation
- Touchscreen
- Programmable solvent and pressure protocols
- Automated dispensing of up to 11 solvents
- Pressure profiles from 0 to 5.5 bar
- Compatible with 96-well plates or 1 ml columns
- Fast processing of SPE or buffer exchange workflows
- Open system for standard 96-well plate format

APPLICATION AREAS:

- Desalting for protein or peptide clean-up
- Buffer exchange for sample fractions
- Peptide enrichment via RP or ionexchange
- Lipid fractioning
- Steroids, catecholamines, TDM, DoA and vitamins
- Plasmid or DNA prep
- Filtration



The Resolvex A200 workstation's solvent dispensing function provides easy and straightforward extraction with automated equilibration, washing and elution steps. The system's unique, programmable high or low pressure profiles enable optimized processing for buffer exchange or enrichment experiments.



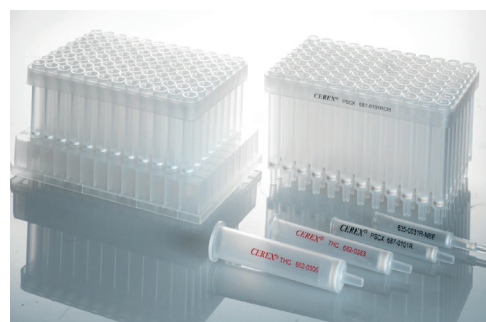


Cerex[®] and NBE[®]

Codeveloped positive pressure sorbents.

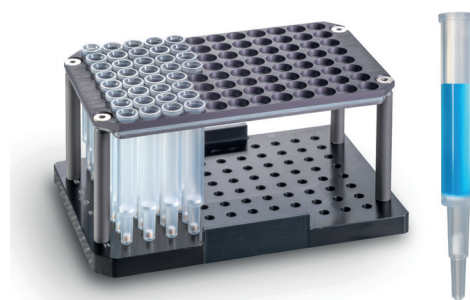
CEREX CLASSICAL SPE COLUMNS

- Conventional SPE column format
- Individual 1, 3 and 6 ml columns, plus 96-well plates
- Sorbent bed masses of 5 mg (1 ml) to 100 mg (6 ml)
- Particle sizes from 10 to 30 µm for different matrices



NBE SPE COLUMNS

- Two-chamber design with airlock prevents dripping
- First chamber to integrate preprocessing steps (e.g. protein precipitation and hydrolysis)
- Second chamber to load, wash and elute in µl volumes
- 0.9 ml individual columns and 96-well plates
- Sorbent bed masses of 2.5 to 5 mg



The Cerex and NBE consumables are optimized for use in positive pressure. The microparticulate polymer- or silica-based sorbents come in plate or column formats (1, 3 or 6 ml) with exceptionally small particle sizes of 10 to 30 µm (80 to 300 Å pore size), and bed mass ranging from 2.5 to 100 mg. These small particle size sorbents along with the application of positive pressure extraction provide better contact with analyte molecules and result in more efficient retention. The innovative, non-drip NBE column design allows protein precipitation to be incorporated within the same SPE column.

Our application specialists will assist you in the selection of sorbent chemistry for your analytes and matrices, and to support your development of new workflows.

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