

GC Twin Pal On-Line Extraction for GC, GC-MS



Specifications for SPE Plate Mode

Capacity

One or two 96-well plates, or 96 to 192 samples

Throughput

Extraction - 4-6 minutes per extraction, staggered

Liquid Handling

Raw sample and solvent volume - up to 5 ml

Positive pressure applied, no vacuum

Injection volume of extract: 0.3-250 μ l

Raw Sample Containers

40 ml, 20 ml, 10 ml, 1 ml, 300 μ l

Drying Capability

Air from syringe

Air or Nitrogen from gas connection to syringe

Heating/Cooling

Heating of sample/reagent mix for reactions
with or without agitation

Cooling for samples and eluate

Specification for SPME Mode

SPME fiber holder for standard SPME fibers. Variable vial penetration depth for headspace or liquid extraction. Samples can be agitated and / or heated during extraction.

Sample Capacity

up to 294 2ml standard vials

96 10ml or 20 ml vials

Fiber Cleaning

Optional fiber cleaning station

30°C-350°C, inert gas purging

Incubator Oven

6 heated vial positions for 2ml/10ml/20ml vials

Incubation Temperature

30°C-200°C selectable in 1°C increments

Agitation

Internal shaking 250rpm-750rpm

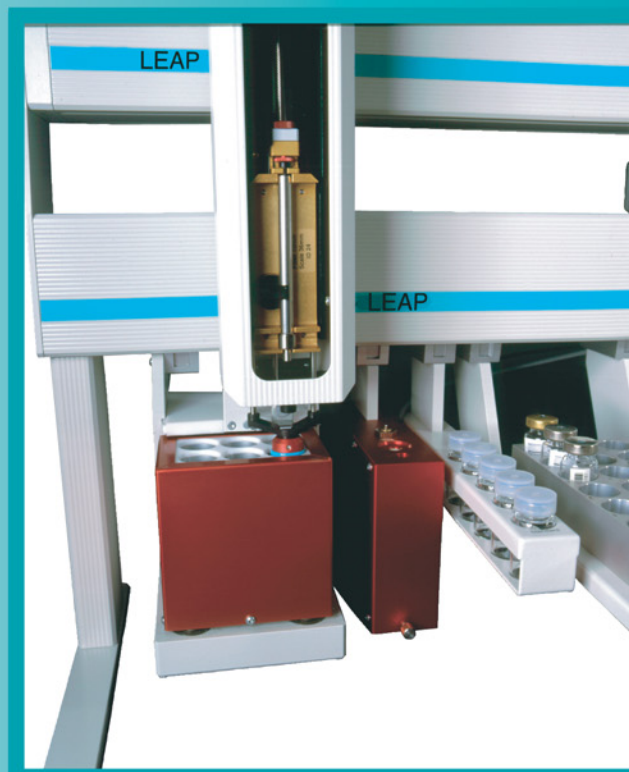
Selectable in 1rpm increments prior to extraction

Extraction Time

Up to 999 minutes selectable in 1 second increments

*Automation of SPME technology licensed from Varian Inc.

Solid Phase Micro Extraction (SPME) Technology licensed exclusively to Supelco Inc. US Patent #5,691,206



Technologies

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