

Solid Phase Microextraction Sampling Stand

Product Specification

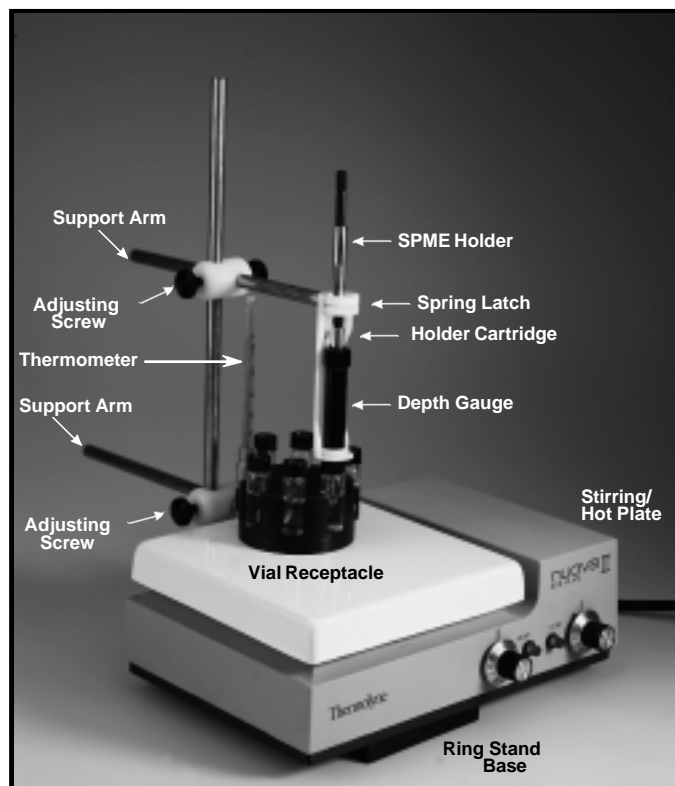
Simple in design, but extremely useful, the SPME sampling stand ensures very consistent extractions. It enables you to set and exactly duplicate the immersion depth of the SPME fiber in the extractions of liquid samples or in the headspace above the samples (see Figure A).

The stand can be used with either a manual or an automated SPME holder. The holder slips easily into and out of the holder cartridge on the upper support arm. However, during the sampling process, a spring latch securely anchors the holder in place to prevent needle or fiber damage.

Individual vial samples are indexed for extraction by simply rotating the aluminum vial receptacle on the lower support arm. The vial receptacle evenly distributes heat from a hot plate for headspace sampling and holds eight 4mL vials. Adjustment of the two support arms is possible with screws attached to the ring stand.

The ring stand base is heavy enough to prevent the stand from tipping over and can withstand most laboratory solvents. In addition, because agitated samples provide faster equilibrium and extraction in SPME sampling, we designed the base to act as a sturdy pedestal for a stirring/hot plate. The Thermolyne® NUOVA II stirring/hot plate, available through Supelco, has a speed range of 60 to 1000rpm and can heat to the highest temperature of 371 °C within 8 minutes. Its nucerite-coated, stainless steel 7 x 7 inch top plate is chemical and shock resistant.

Figure A. SPME Sampling Stand Features Simplicity in Design



995-0250

Ordering Information:

Description	Cat. No.
SPME Sampling Stand	57333-U
Thermolyne NUOVA II Stirring/Hot Plate	
110 VAC	Z110957
220 VAC	Z110965
10 x 3mm Magnetic Stirring-Bar Flea pk. of 3	Z118877

Trademarks

ChromFax—Sigma-Aldrich Co.

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