



Sample Concentrator

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The Techne Sample Concentrator accelerates the concentration of large numbers of samples in a matter of minutes where traditional methods can take hours. It is ideal for the life science researcher and scientist; designed for applications such as sample preparation for analytical techniques including drug screening, hormone assays, chromatographic analysis and scintillation counting.

Unique gas chamber

Evaporation is increased by passing an inert gas over the surface of the sample. The gas travels through the unique patented gas chamber to the samples via the needles. The needles are set into a silicone matrix and can be spaced to fit any combination of tubes.

Compact

The unit is light and compact enough for convenient use in a fume cupboard when toxic solvents are being evaporated.

Needles

The needles are made from high quality stainless steel and are specially designed for use with the Techne Sample Concentrator. The needle configuration can easily be adjusted to fit any combination of tubes, from 26mm test tubes to 0.5ml microcentrifuge tubes. Where corrosive solutions are being used, Teflon coated needles are available.

Fully adjustable

The Sample Concentrator's gas reservoir is mounted on a fully adjustable stand for accurate height control.

Technical Specification

Maximum gas pressure	Must not exceed 2 psi
Maximum vertical travel	320mm
Maximum gas usage	15 litres / minute
Gas	Any inert gas (often Nitrogen)
Gas intake nozzle diameter	6.35mm (1/4")
Needle position	Variable to suit Techne Dri-Blocks®
Overall size L x W x H (mm)	295 x 240 x 530
Net weight (gas chamber and stand) ¹	9 lbs

Ordering Information

Product Code	Description
1100500	Sample Concentrator gas reservoir and stand only ¹
1100596	Sample Concentrator gas reservoir and stand only (96-wells)
Needles²	
6017209	Pack of 100 needles, 76mm long
6017210	Pack of 100 needles, 127mm long
7012580	Pack of 100 PTFE coated needles, 76mm long
7012581	Pack of 100 PTFE coated needles, 127mm long

¹ The Sample Concentrator comes complete with gas chamber and stand. Two models are available, one for test tubes, cuvettes and small containers (1100500) and one for 96-well plates (1100596). A DB-3 Dri-Block heater and insert blocks are also required.

² Needles are not included with Sample Concentrator and must be ordered separately.

