

TECHNE

Sample Concentrator

proven performance in rapid sample preparation for a broad range of analytical techniques



sample concentrator

The Techne Sample Concentrator accelerates the concentration of large numbers of samples in minutes where traditional techniques take hours - ideal for preparing samples for analytical techniques including drug screening, hormone assays, chromatographic analysis and scintillation counting.



The Techne Sample Concentrator is a fast, convenient and popular method of simultaneously concentrating multiple biological sample volumes in minutes.

Traditional methods of sample concentration can take hours and require the use of centrifugation, vacuum, heat and expensive cold traps. The Techne Sample Concentrator avoids all of this by using a simple gas delivery system to concentrate/dry the samples.

- Samples dry in minutes
- Simple to use
- Unique gas chamber
- Fully adjustable
- Use with various formats

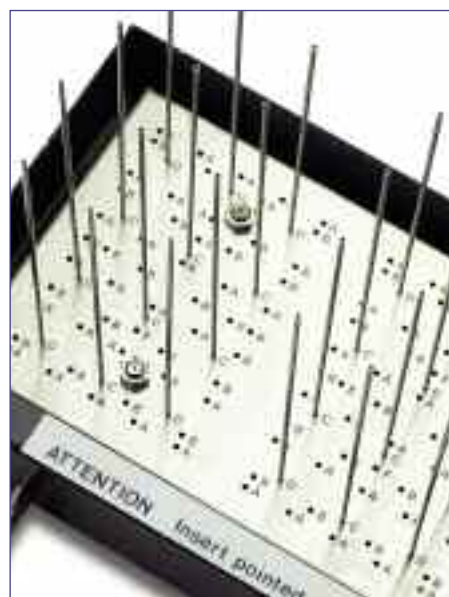
Fully adjustable

The sample concentrator's gas reservoir is mounted on a fully adjustable stand to allow the needles to be lowered to the height you need.

Fast

The combination of the gas flow from above and heat from below, provide the perfect environment for fast and efficient evaporation.





Unique gas chamber

Gas is passed over the surface of the samples through stainless steel hypodermic needles. The needles themselves are set into the silicone matrix of a unique patented gas chamber and spaced to fit any combination of tubes.

Simple to use

Place the samples in a pre-warmed Techne DB-3 series Dri-Block® heater, lower the capillary gas chamber over the samples and turn the gas on (connected through the back of the unit).

Varied format

Depending on the block format used on the Dri-Block® heater, needles can be placed in the silicone mat to fit the sample spacing pattern. This can be the 96-well plate (FSC496D) of your choice or a multiple capacity tube insert for micro-tubes or tests tubes (FSC400D).



Compact

This unit is very light and compact and can be placed in a fume hood if toxic vapours are involved.



Needles

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

Technical and ordering information



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®
Height	530mm
Width	240mm
Depth	295mm
Net weight (gas chamber and stand)*	4kg



Ordering information

Code	Description	Shipping weight
FSC400D	Sample Concentrator gas reservoir and stand only	5kg
FSC496D	Sample Concentrator gas reservoir and stand only (96 wells)	5kg
Accessory needles**		
F7209	Pack of 100 needles 76mm long	
F7210	Pack of 100 needles 127mm long	
FSC4NCS	Pack of 100 PTFE coated needles 76mm long	
FSC4NCL	Pack of 100 PTFE coated needles 127mm long	



* The Sample Concentrator comes complete with gas chamber and stand. Two models are available, one for test tubes, cuvettes and small containers (FSC400D) and one for 96 well plates (FSC496D)

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

The DB-3 series Dri-Block® heater and the relevant microtitre plate or tube insert blocks must be ordered separately for use with the sample concentrator.



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