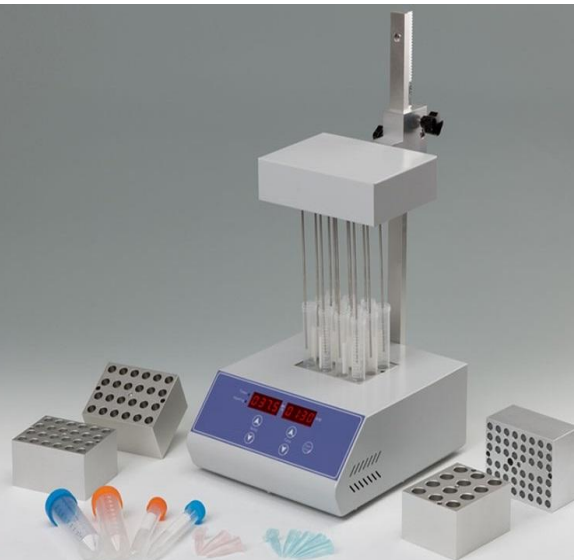


# Sample Concentrator

## (Nitrogen Sample Concentrator)

TOPLAB INDIA'S TL-200C Series Sample Concentrator is mainly used for concentrating or preparing samples. It is used for sample concentrating applications such as drug screening, hormone analysis, liquid phase, residue analysis, commodity inspection, food, environment, pharmacy and biological product and mass spectrometry in the analysis of sample preparation. Sample concentrator instrument can concentrate dozens of samples simultaneously, saving time and high efficient, instead of rotary evaporation instrument. TL-200C Series Sample Concentrator is with microprocessor controlled and PID controlled technique. The heat-conducting block is high purity aluminium. The test tubes are held in a block, and blowing a large number of samples at one time.

**Working principle:** It works by blowing nitrogen into the heated surface of the sample and makes the solvent evaporate and separated rapidly; thereby reaching the sample enrichment purpose without oxygen, keep the sample purer.



### Features:

- High precision and wide range of temp control.
- Blowing a multiple number of samples at a time with blowing each sample independently
- Simultaneously working with heating by dry bath in the bottom and nitrogen blowing on the surface accelerates liquid evaporation and sample concentration.
- The position of gas needle in air cavity can be adjusted to suit for different types of tubes.
- Amount of airflow can be adjusted.
- The height of the air cavity can be adjusted. The length of a standard gas needle is 150mm.
- Gas needle is controlled independently. Separately blow of each needle and flow regulating of each needle are available to avoid gas waste
- The TL-200C Series Sample Concentrator can be put into ventilation cabinet when the concentration sample in toxic solvents.
- Built in overheat protection, automatic fault detection and fault beep alarm devices.
- LED display immediate temperature and diminishing time. Operation is simple and convenient.
- Standard configured air cavity and adjustable bracket.
- Easy operation; safe and reliable to use.

## TL-200C Series Sample Concentrator

### Technical Specification:

Model	TL-200C-1B	TL-200C-2B
Display Mode	LED	
Temp. Control Range	RT.+5°C ~ 160°C	
Temp. Accuracy	±0.5°C (@40°C)	
Temp. Accuracy	±1°C(@120°C)	
Temp. Uniformity	±0.5°C	
Temp. Display Accuracy	0.1°C	
Time Range	1~ 99h59min/∞ (continuous)	
Heating Time	≤15 min (25°C to 160°C)	
Max. Vertical Travel	200 mm	
Needle Length	150mm	
Gas Flow Rate	0 ~15L/min	
Max. Gas Usage	15L/min	
Max. Gas Pressure	0.1Mpa	
Needle Plate Max. Lift Stroke	285mm	
Gas-in Joint Outer Diameter	Φ7mm	
Sample Capacity	1 pcs standard block	2 pcs standard block
Max. Power	300W	500W
Dimension (WxDxH)	260 x 220 x 450mm	260 x 220 x 475mm
Power Voltage	AC220V /50~60Hz	
Weight	6 kg	7.5 kg

### Optional Accessories:

#### Heating Blocks Selection guide:

Model	Tube diameter	Tube quantity
TL-50 MD	10mm	12 nos
TL-51 MD	12mm	12 nos
TL-52 MD	13mm	12 nos
TL-53 MD	15mm	12 nos
TL-54 MD	16mm	12 nos
TL-55 MD	19mm	12 nos
TL-56 MD	20mm	12 nos

TL-xx MD  
Heating Blocks



TL-GV  
Gas Flow regulating valve

