

# 15 Aspirators



## **Aspirators**

FTA-1 aspirator with 1L trap flask

FTA-2 aspirator with 2L trap flask and level sensor

# FTA-2 aspirator with trap flask

All in one aspirator system with a 2L trap flask designed for aspiration or removal of alcohol, buffer and liquid from reaction vessels during DNA/RNA purification or other macromolecule reprecipitation techniques.

- All in one system with integrated pump
- Trap flask volume 2L
- Fitted with hydrophobic microbiological filter
- Vacuum pressure: -200 to -800mbar (adjustable)
- Liquid level sensor detects excess liquid and prevents overflow



**Hydrophobic microbiological suction filter** eliminates risk of contamination from the trap flask. Efficiency up to 99.9% - holds particles bigger than 0.027 micron.

**Liquid level sensor** with automatic switch off and sounding alarm indication.

**Polyethylene tube** connects the collecting tip to the trap flask.

**Built-in micro-compressor** creates negative pressure in trap flask for removal of liquid from reaction vessel.

**HAS-1 hand operator set** - includes 2 x 8 channel adapters, 3 x 1 channel adapters, handheld vacuum controller and stand.



**2L autoclavable polypropylene trap flask** for collection of aspirate from reaction vessels or microplates.

**Tube holder organiser** conveniently located on the right hand side, accommodating two 1.5–2 ml tube slots.


**Vacuum regulation control knob** allows user to smoothly select a preferable aspiration speed.



## Applications



- Aspiration/removal of alcohol/buffer from microtube walls during DNA/RNA purification and other macromolecule reprecipitation techniques
- For routine operations of cell washing from culture medium and resuspension in buffer

## FTA-2 aspirator with trap flask - Technical specifications

			FTA-2
			
Dimensions	h x d x w	mm	390 x 290 x 185
Trap flask volume		L	2
Vacuum		mbar	-200 to -800 (adjustable)
Flow rate (aqueous solution)		ml/min	72 with aspiration tip 666 without aspiration tip
Aspiration speed		l/min	Up to 10 (air)
Filter pore diameter			0.027 micron
Liquid level sensor type			Invasive
Overflow protection			Motor stops, light and sound signal
External power supply			Input AC 120-230V, 50/60Hz Output DC 12V
Power consumption		W	10.8 (1A)
Input voltage		V dc	12
Weight		kg	1.85

## Options and accessories

• = optional

HAS-1		Hand operator set, includes handheld vacuum controller, 1-channel adapter (with ejector) for 200 µL tips, 1-channel adapter with 125 mm stainless steel pin, 1-channel adapter with 40 mm stainless steel pin, 8-channel adapter (with ejector) for 200 µL tips, 8-channel adapter with 35 mm stainless steel pin and SH-6 stand.
MA-8		8 channel adaptor kit, includes tube adaptor, 8 channel aspiration tip, 8 channel tip holder



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