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Medical-Biological Research & Technologies

FTA-2i, Aspirator with Trap Flask

Premium Product Class

DESCRIPTION



Aspirator with trap flask **FTA-2i** is designed for aspiration or removal of alcohol, buffer and liquid from reaction vessels (e.g. during DNA/RNA purification or other macromolecule reprecipitation techniques).

The device can be applied for routine operations of cells washing from culture medium and resuspension in buffer. Aspirator operation principle is based on creating negative pressure in trapping flask using built-in microcompressor. The collecting tip is connected with polyethylene tube to the trapping flask. Liquid is removed from the reaction vessel when the collecting tip is in contact with the solution. A tube holder-organizer is conveniently located at **FTA-2i** right hand side; it accommodates two 1.5–2 ml tube slots (e.g. for hydrochloric acid solution and distillate) necessary for collecting tip washing and storing, so that a tip can be re-used. **FTA-2i** is equipped with a level sensor that detects excess liquid with consequential prevention of the overflow by automatically switching off the pump with a sounding alarm indication. The devices comes, as standard, with vacuum regulation control knob that allows to smoothly select a preferable aspiration speed.

Additionally, a hand operator can be purchased for a more comfortable usability of the new accessories (see list below). The autoclavable hand operator features a pressure sensitive button that can control the aspiration speed.

Filtration: Hydrophobic microbiologic filter 2200/02 eliminates risk of contamination from the trap flask by bacteria, viruses and infected particles

COMMON APPLICATIONS:

Removal and disposal of liquid from various reaction vessels

STANDARD ACCESSORY:

MA-U universal adapter for 200/1000 µl single use tips

OPTIONAL ACCESSORIES:

- HAS-1 Hand operator set
  - 1ch. adapter
    - with ejector for 200 mkl tips
    - with 40 mm stainless steel pin
    - with 125 mm stainless steel pin
  - 8ch. adapter
    - with ejector for 200 mkl tips
    - with 35 mm stainless steel pins
  - Stand SH-6
- MA-8
  - 8-channel aspiration tip with holder

CAT. NUMBER

BS-040120-A02	230VAC 50/60Hz Euro plug
BS-040120-A03	230VAC 50/60Hz UK plug, 230VAC 50/60Hz AU plug, 100VAC 50/60Hz US plug, 120VAC 60Hz US plug

SPECIFICATIONS

Vacuum	-200 to -800 mbar (adjustable)
Aspiration speed	up to 10 l/min (air)
Trap flask	2 l, polypropylene (autoclavable)
Liquid level sensor type	invasive
Overflow protection	motor stops, light and sound signal
Dimensions with trap flask (W×D×H)	185 × 290 × 390 mm
Weight with trap flask	1.85 kg
Input current/power consumption	12 V, 1 A / 10.8 W
External power supply	Input AC 100-240V 50/60 Hz; Output DC 12 V

ACCESSORIES



HAS-1
BS-040118-PK
Hand operator set

HAS-1 Hand operator set

- 1ch. adapter
  - with ejector for 200 mkl tips
  - with 40 mm stainless steel pin
  - with 125 mm stainless steel pin
- 8ch. adapter
  - with ejector for 200 ...

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MA-8
BS-040108-BK
8-channel adapter manifold

8-channel aspiration tip with holder



Extended tubing
BS-040120-DK

Extended tubing 2 m long, with fittings and MA-U adapter