INTEGRA



VACUSIP

Liquid waste gone in a sip

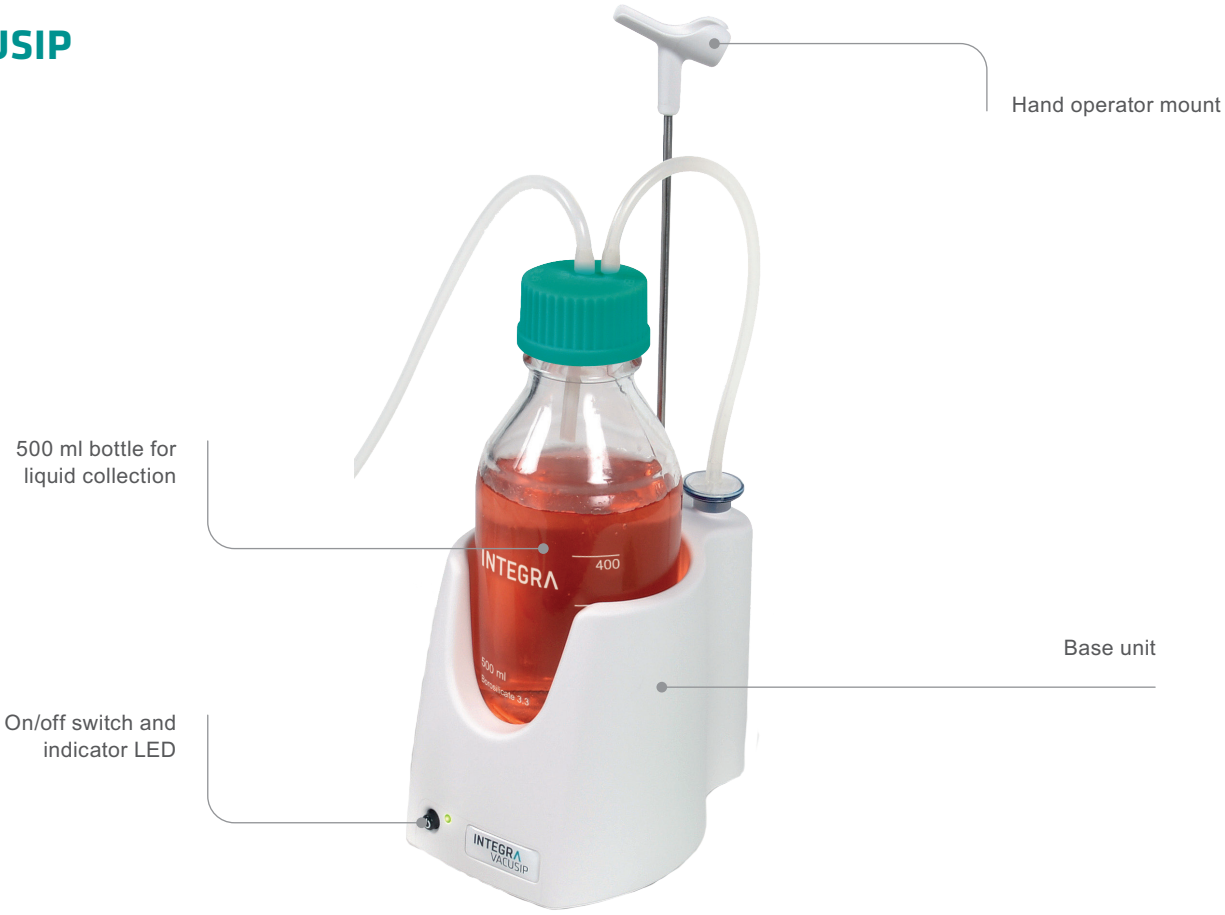


Easy to use
for fast and reliable aspiration of liquids

Standalone
and self-contained device to enhance lab safety

Versatile
instrument with adapters to fit all experimental needs

VACUSIP



VACUSIP

Benchtop aspiration system

The aspiration of supernatants after centrifugation steps and the removal of washing solutions from microplates are examples of common laboratory applications.

Until now, liquid waste disposal has been mainly accomplished by self-made systems consisting of a trap flask, a rudimentary aspiration tool and an external vacuum source. However, there are major limitations in terms of the convenience, safety and efficiency of these systems. The different parts need to be assembled individually, handling is cumbersome and the risk of contaminating the house vacuum system is considerable.

VACUSIP offers a convenient and affordable solution for benchtop liquid waste disposal. It is a compact and ready-to-use vacuum aspiration system with an integrated vacuum pump. **VACUSIP** is completely independent from external vacuum sources and, with a long-life battery, is also fully mobile.

Did you know?

A comfortable benchtop aspiration system

- The integrated pump runs silently and stops automatically once the vacuum is established
- Changing a filled **VACUSIP** collection bottle is clean and convenient. Simply unscrew the green lid and attach an empty glass or plastic bottle for direct disposal of the liquid waste.



Wide range of applications

VACUSIP is an ideal solution for the aspiration of small volumes of liquids up to 10 ml.

Applications may include the aspiration and removal of:

- Supernatants after centrifugation steps (e.g. RNA/DNA extraction)
- Washing solutions in western blots and ELISAs
- Cell staining solutions



Aspiration of supernatants



Removal of washing solutions



Aspiration from western blot strips



Removal of excess liquid from object slides



Supernatant removal to harvest bacteria



Removal of culture media

Portable and space saving

- **VACUSIP** is small, compact and fits on every bench.
- It is independent from an external vacuum source or power supply, and can be relocated wherever it is needed.
- A minimum of tubing and cable is required when working in a safety cabinet.



Safety in mind

- A hydrophobic filter protects the unit from damage and contamination by aerosols and liquids.
- For easy decontamination, all parts that come into contact with liquids can be autoclaved.

Did you know?

VACUSIP is complemented by the versatile, user-friendly **VACUSAFE** system, for those occasions when aspiration of larger volumes of liquid is required.

Technical data

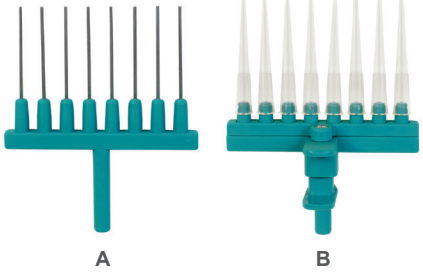
Vacuum range	-250 mbar ±20 %
Liquid flow rate	2.3 ml/s (with 40 mm stainless steel tip)
Noise emission	<50 dB(A) at 1 m
Dimensions (H x W x D)	125 x 120 x 162 mm Height with bottle and aspiration device: 345 mm
Weight	500 g (without bottle)
Battery (model 159000 in the next table)	Li-ion
Battery life	5 days when aspirating 1 h per day
Filter	0.45 µm hydrophobic filter
Bottle	Borosilicate, GL 45 thread, 500 ml

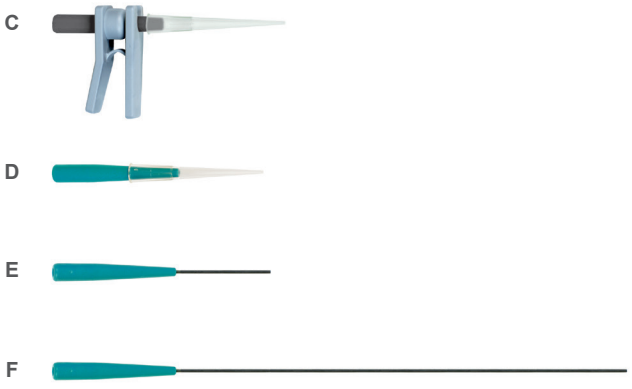


Ordering information

Instrument		Part no.
VACUSIP	Aspiration system complete with borosilicate bottle with standard lid (GL45), green lid with tube fittings, silicone hand operator (includes single and 8 channel stainless steel tips and single channel adapter for standard tips/GRIPTIPS®), silicone tubing (1.2 and 0.22 m), filter, mains adapter	
	• With rechargeable battery	159000
	• Mains powered	159010

VACUSIP accessories			Part no.
Adapters	1 channel, 40 mm, stainless steel	E	155502
	1 channel, 280 mm, stainless steel	F	155525
	8 channel, 40 mm, stainless steel	A	155503
	1 channel adapter, for tips/GRIPTIPS, plastic, pack of 5	D	159023
	1 channel adapter, with ejector for tips, plastic	C	159026
	8 channel adapter, with ejector for tips, plastic	B	159024
	1 channel adapter, with ejector for GRIPTIPS, plastic		159027
	8 channel adapter, with ejector for GRIPTIPS, plastic		159025
Mains adapter (100-240 VAC, 50/60 Hz)	EU		156631
	US		156630
	JP		156634
	UK		156632
	AU		156633





VACUSIP consumables		Part no.
Tubing	Silicone tubing, Ø 8 mm, 1.8 m, VACUBOY to bottle, transparent	158332
	Silicone tubing, Ø 8 mm, 70 cm, instrument to bottle, blue	158331
Filter	Filter Ø 54.5 mm, pore size 0.45 µm, non-sterile, 1 piece	158015
	Filter Ø 54.5 mm, pore size 0.2 µm, non-sterile, 1 piece	158020
Tubing set with filter	Tubing set for VACUSAFE (# 158015, tubing Ø 8 mm)	158342
Gasket	Gasket for 2 l glass bottle lids	158409
	Gasket for 4 l polypropylene bottle lids	158410
Aspiration Pipets	Sterile aspiration pipets for VACUSAFE and VACUSIP (2 mL, individually wrapped, pack of 500)	158602

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Contact us: