

RIGEL | Life Sciences
your contamination control specialists

REMOTE MICROBIAL AIR SAMPLERS

Rigel

HEBAS & HEBAS IVS

The excellence in air sampling

Established in 2008, RIGEL Life Sciences is a provider offering the very best solutions while meeting and exceeding the needs of client engineering and GMP compliance teams within the Life Science Industries.

RIGEL Life Sciences is the right partner when the outcome must be Full Compliance. With expertise spanning the quality spectrum, we specialize in the management, monitoring and validation of contamination levels within clean environments.

RIGEL Life Sciences will provide the correct solution unique to your requirements; whether your facility manufactures electronics or pharmaceuticals products or provides healthcare directly to patients.



The High Efficiency Biological Air Sampler (HEBAS) detects potential contamination from viable particles.

The geometry of the HEBAS head is designed to precisely direct sample air onto the culture media surface to assure high collection efficiency (validated according to ISO 14698/1 Annex B). An added benefit is the reduction of the sample air velocity which minimizes the severe stress and trauma of each micro-organism upon impact.

The HEBAS's proprietary design will clearly differentiate sample and post-collection contaminants. Any contaminants added outside the controlled environment will be quickly and easily identified. This feature significantly reduces the risk of false positives.

HEBAS is made with fully autoclavable AISI 316L Stainless Steel. The locking system utilizing magnets provides an easy and safe opening and closing operations, with the assurance of perfect sanitization due to the incorporation of the magnets inside the stainless steel.

The HEBAS uses the industry standard 90 mm petri dish for continuous and repeatable sample collection.

When equipped with the Internal Vacuum Source (IVS) unit, the HEBAS provides a self-contained system for the continuous sampling of viable particles within critical environments. The HEBAS IVS is ideal for monitoring in those applications where containment has to be assured (isolators, RABS).

The HEBAS IVS contains an internal power supply and a blower, eliminating the risk associated with using a vacuum source located outside the containment area.

Rigel's HEBAS IVS provides an added measure of safety by incorporating features resulting in the exhaust air passing through a filtration sub-system certified to ISO 3 compliance. Optionally, the exhaust air can be safely shipped to an external tubing to be recirculated.





Technical specifications

	HEBAS sampling head
Technology	Inertial impaction on a culture media
Certification	Certification of the efficiency according to ISO 14698 by Health Protection Agency (UK) - Report # 80-10A
Physical efficiency	Cut dynamic diameter d_{50} : 0.8 μm 100% dynamic efficiency: 1.1 μm
Biological efficiency	98.9%
Dimensions	Diameter 110 mm, height 32 mm
Weight	0.9 kg
Material	Stainless steel AISI 316L
Locking	Magnets pairing
Optional accessories	Stainless steel supports, remote connection
Consumable	Standard 90 mm petri dishes
	IVS unit
Dimensions	160 x 120 x 250 mm
Weight	3.5 kg
Enclosure	Stainless steel AISI 304
Power supply	220V AC, 50/60 Hz
Operating temp. range	15÷60 °C
Humidity range	10-90% non-condensing
Sample flow rate	1 CFM (28.3 LPM)
Pump	Brushless DC Blower
Sample flow control	Electronic $\pm 10\%$
Output	0-5 V
Optional accessory	Remote control, exhaust air shipped
Calibration frequency	Recommended every 12 months at Rigel

RIGEL S.r.l.

Piazza Contessa G. Del Maino, 11 | 20086 Motta Visconti (Milan), Italy
Ph. +39 02 49 49 15 01 - Fax +39 02 49 49 15 02

METROVALID PHARMA

Résidence Gimmo, Immeuble N°03 Bab Ezzouar, Alger - 16042 - Algérie
Tél. : +213 23 88 46 43 à 45 /Fax : +213 23 88 46 4 2
mvp.commercial@metrovalidpharma.c om | www.metrovalidpharma.com

