

The MycoHarvester Mk V

MycoHarvesters are a range of devices designed to harvest fungal spores safely and efficiently from solid substrates. The MycoHarvester V is a **research tool for mycopesticide development**, designed for small-medium scale sample preparation (typically processing up to 50 kg of grain substrate per day). Larger, multiple cyclone units (MH3) are also available, which use a different method of substrate agitation, but essentially **the same cyclone geometry**, so the MH5 can simulate scaled-up mycopesticide production.

MycoHarvesters aid drying processes (essential for optimising the shelf life of most isolates) in that they concentrate the spore product, thus the bulky substrate need not be dried. This technology is under continuous development as part ongoing research programmes. The MH V is normally configured to collect particles in an optimum range of approximately 3-10 µm. If you wish to collect particles in other size ranges, please contact us to discuss details. The Mk V is easy to use: and as with other MycoHarvesters, safety and particle size spectra are dramatically improved in comparison with conventional (sieving) methods.

All MycoHarvester models (the MH III and MH V) are based on patented 'Diclone' technology from ACIS R&D. They have significant advantages over previous designs, including:

- ◆ Greater ease of handling product and cleaning
- ◆ Autoclavable (stainless steel) cyclones
- ◆ Taller fluid bed column: capable of handling greater quantities of substrate
- ◆ Adaptability: the Mk V series is more modular in design than previously: so that a basic unit for laboratory-trial-scale development can be upgraded as production needs increase.

The MH V is suitable for small-scale, non-continuous preparation of samples of beneficial microbial agents, in genera such as: *Metarhizium*, *Beauveria*, *Paecilomyces*, and similar powdery fungi used in mycopesticide products. It also has been used with several species of *Trichoderma*, that have hydrophilic cell walls.



Weight: 24 kg (including spare spore cylinder)

Dimensions (unpacked, assembled): 430 x 500 (deep) x 830 mm high

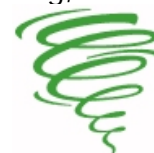
When packed, box is 740 x 600 x 380 mm (Gross weight: 28 Kg)

Commodity code is 8474.10: Machines for sorting, screening, separating, etc.



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