

Cell Harvesters

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450-100

Cell Harvesters

The cell harvesters come in three versions to suit most applications. The Micro is the basic manual control model and is specially designed for use with either distilled water or buffered saline. The Midi is an automatic version of the Micro, which has manual over-ride. The Midi is well suited to investigations where exact reproducibility of conditions is required. The Midi also incorporates a 'hot wash' function for safe disposal of radioactive waste.

The Maxi is the top of the range version. This harvester is fully automatic with manual over-ride and provides four wash fluid channels for multiple washing procedures with automatic changeover from one wash liquid to the next. The Maxi incorporates corrosion resistant components for use with Trichloroacetic Acid (TCA). A 'hot wash' version is an available option*. The cell harvesters have a performance of 105 lymphocytes per well maximum recommendation (this figure is only a guide and can be exceeded with caution).

Specification

Microplate type	96-well
Overall dimensions (wxdxh), mm/Weight, kg	510x310x150/6
Electrical requirements	220V/50Hz

Cat. No.	Description	Price
450-100	2020A Micro Harvester	POA
450-101	2020B Midi Harvester	POA
450-102	2020C Maxi Harvester	POA

* For Maxi harvester with 'hot wash' option please contact our Technical Office on 01342 826836.



450-150

450-151

Tomtec, Automatic 96-well Cell Harvesters

The four models in the Tomtec Harvester 96® range harvest cells simultaneously from the 96-well format of either microplates or microtubes. The difference between the models is in the filter format. Each model is designed to provide the maximum filter spot area that can be accommodated by the corresponding scintillation counter. All four offer the following key features:

- Fully programmable
- Fast, efficient transfer
- Removable wash tips
- Overflow protection
- Double "O" ring filter mat sealing
- Compact design

Durable Head Design

The unique double "O" ring seal prevents crosstalk between filter mat circles. If necessary, the user can easily remove the "O" rings and screens for cleaning or replacement.

Flexible Programming

From the front panel, the user can programme up to 16 protocols to meet individual criteria. Once established, programs may be recalled or modified at any time. Programmability eliminates the variables of cell harvesting, thus enabling the user to achieve repetitive precision every time.

Short, Fast Aspirate Pathways

The unique, removable tip design of the Harvester 96 adds wash buffer to the top of each well. This washes down the sidewalls to the aspirate tube located at the bottom of the well. The well contents are aspirated directly to the filter mat, which is sealed with a double "O" ring arrangement. The advanced ascending area design of the vacuum pathways assures uniform, rapid transfer from the microplate to the filter mat, eliminating dissociation. An overflow vacuum ring surrounds each of the 96 wells.

TCA Applications

For those protocols using Trichloroacetic Acid, a special stainless steel / polypropylene head is available to withstand the aggressive corrosion created by TCA (details available on application).

Cat. No.	Description	Price
450-150	Mach II – 6x16 format on 15mm centres, Wallac Betaplate®	POA
450-151	Mach III – 8x12 format on 9mm centres, Wallac MicroBeta®	POA
450-152	Mach IIIU – 8x12 format on 9mm centres, Unifilter® plate	POA
450-153	Mach IV – 4x12 format on 25.4mm centres, Wallac Big Spot Betaplate®	POA
Accessories		
450-154	Autotrap assembly, DC (24V)	POA
450-155	Vacuum pump	POA
450-156	Compressor	POA

Please note that the above are available as semi-automatic models. Please contact our Technical Office on 01342 826836 for details.