

HARVESTER 96®

Mach II, III and IV

THE BENCHMARK FAMILY OF 96 WELL HARVESTER

The Harvester 96® harvests cells simultaneously from the 96 well format of either microplates or microtubes. The difference between the three models is in the filter format. Each model is designed to provide the maximum filter area spot that can be accommodated by the corresponding scintillation counter.



Mach II

6 x 16 format
on 15mm centers
Supports
Wallac Betaplate®



Mach III

8 x 12 format
on 9mm centers
Supports
Wallac Betaplate®

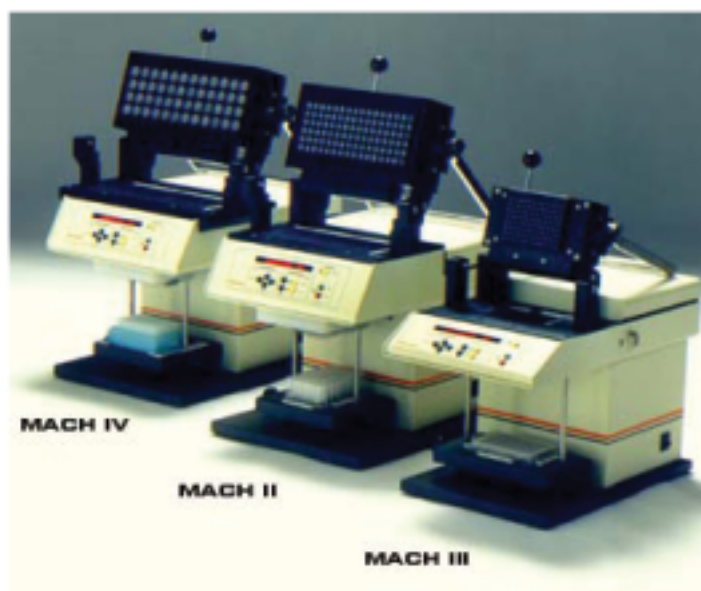
Mach IIIU

8 x 12 format
on 9mm centers
Supports Unifilter®



Mach IV

4 x 12 format on 25.4mm centers
Supports Wallac Big Spot Betaplate®
(Half the microplate is harvested to two
(2) filter mats)



Automated Harvesters

- Fully programmable
- Pulse wash programs
- Adjustable wash rates
- Efficient rinse program
- Fast efficient transfer
- Removable wash tips
- Overflow protection
- Quick and easy quality controls
- Double "O" ring filter mat sealing
- Compact installation

Durable Head Design

The unique double "O" ring seal prevents cross talk between filter mat circles. If necessary, the user can easily remove the "O" rings and screens for cleaning or replacement. Durable 3/4" anodized aluminum plates have a roller locking device. The clamping pressure may be simply adjusted by the user.

Flexible Programming



Harvester 96® Mach III

Since the automated Harvester 96 is fully programmable, the user's creativity can be the controlling factor in setting up protocols. From the front panel, the user may be set 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.

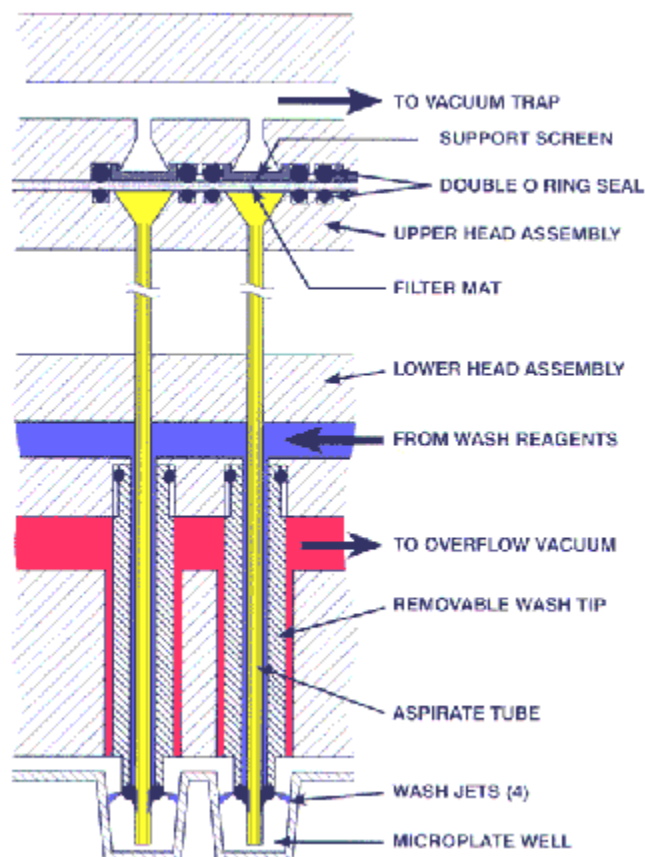
User Serviceable for Convenience

The most vital aspect of maintaining any Harvester is keeping it clean. The Harvester 96 provides fast, efficient, automatic rinse cycles. Wash tips may be easily removed for ultrasonic cleaning or replacement. The only internal moving parts are five stainless steel solenoid valves. The Harvester 96 is a reliable instrument that can be easily maintained by the user.

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 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. Each of the 96 wells is surrounded by an overflow vacuum ring. During the addition of wash, should a well overflow because of an air bubble, the overflow is captured, preventing loss of the adjacent wells. Aspirate extender tubes may be added to accommodate various deep well plates or microtubes



TCA Applications

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

Ordering Information

Mach II - 6 x 16 format on 15mm centers
Cat. No. 96-2

Mach III - 8 x 12 format on 9mm centers
Cat. No. 96-3

Mach IIIU - Harvests Unifilter® plate
Cat. No. 96-3U

Mach IIIUSS - Harvests Unifilter® plate
Stainless Steel head for TCA applications
Cat. No. 96-3USS

Mach IIIW - Harvests Wallac filter plate
Cat. No. 96-3W

Mach IV - 4 x 12 format on 25.4mm centers
Cat. No. 96-4

Please call your Local Sales Representative for current pricing.

Users outside the USA, please specify frequency.