

ARTISAN®
TECHNOLOGY GROUP

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Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

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- Pipetting & Dispensing
- Microplate Reading
- Gamma Counting
- Microplate Washing
- Stackers & Plate Handling
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MICROPLATE WASHING

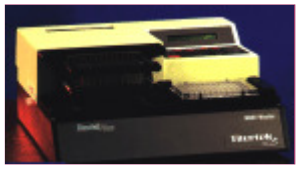
From the routine to the most complex wash protocol, Titertek Instruments has a washer to meet your needs. A variety of units are available with the ability to wash 24, 96, and 384 well plates as well as 8 and 12 well strips.

SmartWASH



The compact, economical SmartWASH features keypad programmable washing for both strips and plates. Plate dryness can be adjusted and the unit can be used on both flat and round bottom plates. The SmartWASH comes as a complete package with internal vacuum pump and convenient, integrated wash fluid and waste bottles.

M Series



The M Series is available in two models - M96 and M96V - both compatible with the S20 Microplate Stacker. The M96 and the M96V include features for performing complex wash protocols in 96 well microplates. Soak, shake, SUPERWASH, and SUPERVAC are a few of the programmable options. Wash programs may be linked for greater flexibility.

Plate profiling *teaches* the M series the dimensions of different plate types to provide accurate washing when using plates from different manufacturers or when a different degree of dryness is desired. Both models are extremely easy to maintain, with individual wash and aspirate channels that can be removed for cleaning.

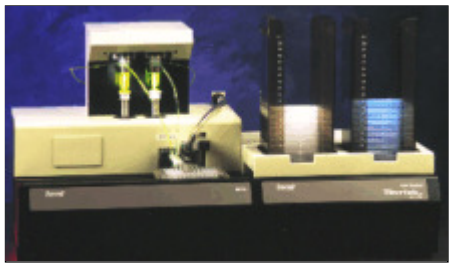


The M96V has the additional feature of aspirate and dispense head validation. The validation station checks the dispense and aspirate heads for blockage and alerts the user to the location of

channels that need attention. The validation procedure is selectable - before a run, before and after each plate, etc.

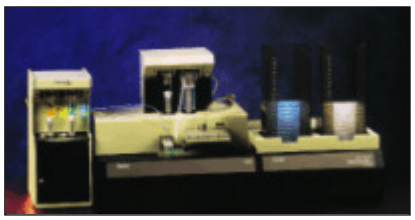
MRD8 & Dash 96

Both the MRD8 and the Dash 96, which is built on the same architecture, provide the greatest flexibility in washing and precise reagent addition in one unit. Both units use lead screw technology for maximum control and reproducibility of plate positioning under the aspirate and dispense heads. Both units also use direct drive stepper motors and syringes for optimizing precision and accuracy in dispense volumes. Models fitted with plate stackers use magazines compatible with the S20 Stacker. These washer/dispensers can become your basis for high-throughput plate processing.



MRD8

The MRD8 can be configured to address 24, 96, or 384 well plates. Use of Four in One syringes allow dispensing volumes as low as 5 µl. The addition of auxiliary Digiflex units allow multiple reagents to be dispensed before or after wash steps. The MRD8 can perform a standard 3 x 300 µl wash on more than 80 plates per hour.



Dash 96

The Dash 96 provides a wash and aspirate head that addresses 96 wells simultaneously. This device, configured for microplates only, also comes standard with one reagent addition manifold. Additional reagent manifolds may be added. The Dash 96 will wash greater than 120 plates per hour.

If you are interested in Cell Washing, Media Exchange, or washing of assays with low binding properties, please visit our New Developments page to learn about MRD8 options for these special applications.

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Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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