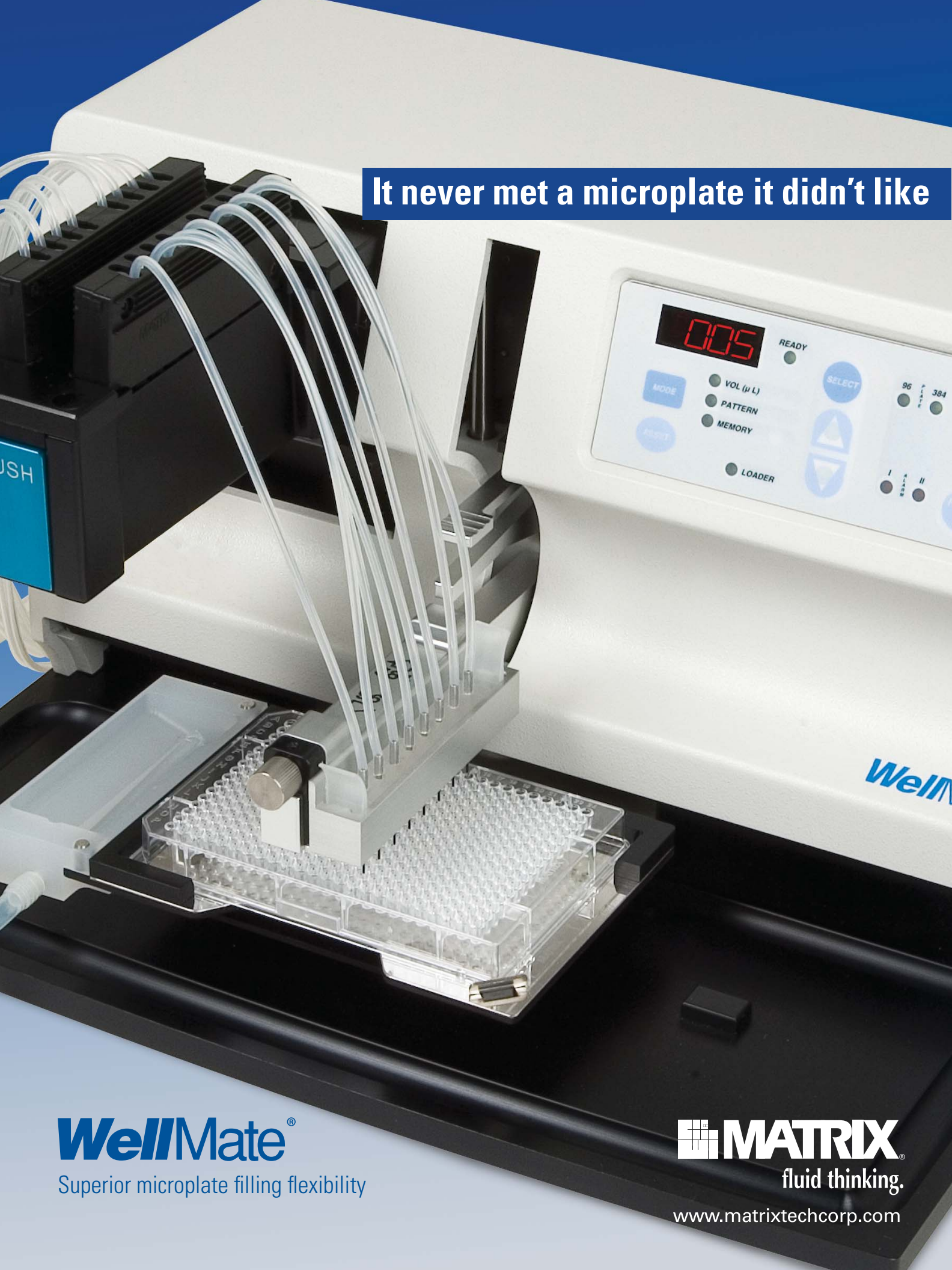


It never met a microplate it didn't like



**WellMate**<sup>®</sup>

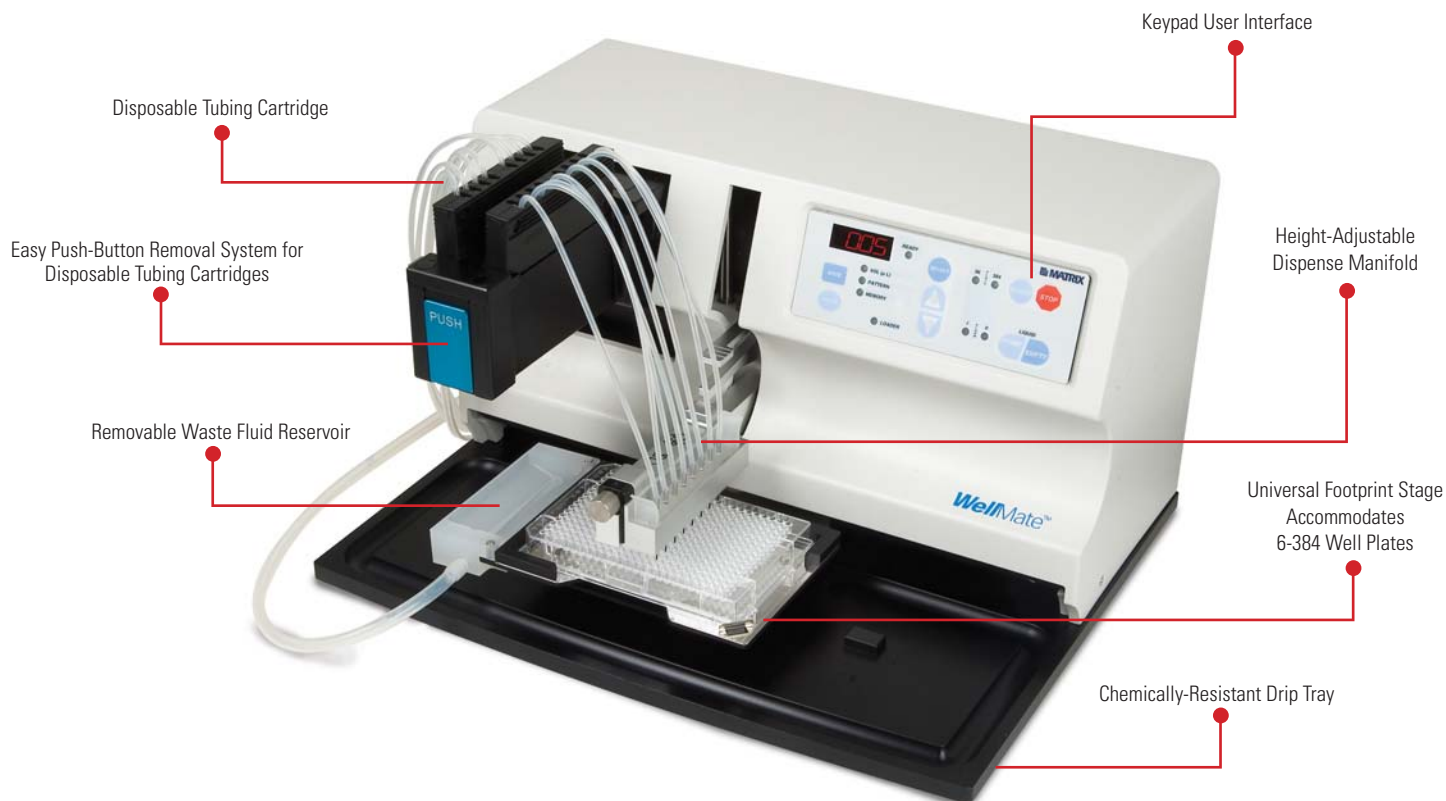
Superior microplate filling flexibility

**MATRIX**<sup>®</sup>  
fluid thinking.

[www.matrixtechcorp.com](http://www.matrixtechcorp.com)

# WellMate®

The WellMate offers superior microplate filling flexibility. The first instrument of its kind to offer disposable, pre-sterilized tubing cartridges, rapid dispensing, and dynamic volume range (1µL to 2,000µL), the WellMate accommodates virtually any microplate format — from 6 to 384 wells and low profile style plates, to deep well tubes and blocks with heights from 10mm to 89mm. The optional stacker unit provides walk away capability for even greater throughput.



## Features

- Dispensing head with adjustable height
- Disposable, pre-sterilized tubing cartridges with several needle options
- Reusable Teflon®-coated stainless steel needle tubing cartridge option
- Discrete well/column filling
- Optional Stacker Unit
- RS232 communication port and OCX software

## Benefits

- One instrument accommodates standard or deep well height plates, and blocks or storage tubes up to 89mm.
- Flexibility to pipet everything from sensitive cellular materials to high vapor pressure fluids.
- Excellent viscous fluid dispensing.
- Superior flexibility in dispensing locations, enabling dispensing into 6, 12, 24, 48, 96 & 384-well plates.
- Walk away capability for increased throughput levels.
- Simple integration with other platforms.



# WellMate® Stacker

Developed with simplicity and ease of use in mind, the WellMate Stacker is a perfect complement to any WellMate plate filler. A simple linear plate mechanism shuttles tall, standard, and low profile microplates quickly and effortlessly from the storage chimneys to the WellMate dispensing position.



**Outstanding Functionality in a Compact Design.** The WellMate's small footprint makes it ideal for space-conscious laboratories, and can be operated inside a biological safety cabinet.

**Broad Microplate Compatibility.** The WellMate is compatible with a broad range of standard, low profile and deep well microplates, as well as 6, 12, 24, 48, 96, and 384-well.

**Chemically-Resistant Drip Tray.** Prevents spills from contacting electronics.

**Visual/Audible Safety System.** Prevents operation when the tubing is not clamped correctly.

**Standard 9-Pin RS232 Programming Capability & OCX Software.** Flexible robotic integration.

**Simple Pump Controls.** Fast, easy priming and emptying of tubing lines. Fluid flow can be reversed to recover valuable reagent contained in the lines.

**Optional Stacker Unit.** Walk away capability for virtually any throughput level. All WellMates are field upgradable. Accommodates low profile, standard, and deep well height plates.

**Precision Dispensing – Science or Art?** Recognizing dispensing as a scientific “art,” Matrix developed the WellMate to enable specific plate



columns to be selected and filled, the dispense nozzles to be finely tuned to dispense liquid toward the front or back of each well, and with the ability to teach left/right well offsets, thereby enabling dispensing into any well position.



## Tubing Cartridges



**Disposable Tubing Cartridges:** Can be quickly and easily replaced, eliminating the need for service or calibration. Cartridges are pre-sterilized and individually packaged.

- Standard-Bore Nozzle — For volumes above 20µL, and 6 to 96-well plate filling.
- Small-Bore Nozzle — For lower volume (1.0µL and above) applications, and 6 to 384-well plate filling.

**Reusable Tubing Cartridge:** Teflon-coated stainless steel tip cartridge for use with viscous fluids, 6 to 384-well dispensing, and low profile plates.



**Straightforward Programming** Simply enter the height of the plates to be filled and press start. Optical sensors at the bottom of each stacker base monitor the presence of plates. A plate-filling run continues until no more plates are detected – true walk away filling.

**Tall Chimney Stackers** Each tall chimney accommodates up to 50 standard height plates and is compatible with deep well and low profile plates.

**Short Chimney Stackers** Each short chimney accommodates up to 25 standard height plates and is compatible with deep well and low profile plates. The WellMate, stacker, and short chimney combination fits in most standard sized bio-safety cabinets.

**Re-Stacking** The WellMate Stacker re-stacks processed plates back into the order they were first processed for any timed applications.

**De-Lidding** For application requiring the use of lidded plates, the stacker has the ability to de-lid and re-lid when used with Matrix automation – friendly universal lids.

## WellMate Stacker Features and Benefits

Removable Stacker Chimneys	Lightweight and easily removable to load offline or transfer to Matrix's PlateMate® Plus.
Front Loading	Efficient re-loading and easy plate access; stacker doors secure plates.
Universal Plate Stackers	Accommodates virtually any style standard, low profile, deep well plates, and tube racks without adjustment.
Simple Operation	Set the plate height on the keypad and start!
Variable Capacity Stacker Chimneys	Short plate stacker chimneys are perfect for biological safety cabinets and fit up to 25 standard height plates.
	Tall plate stacker chimneys accommodate up to 50 standard height plates.
Stacker chimneys are compatible with the Matrix PlateMate Plus System	Simple, secure plate transfers from the WellMate to the PlateMate Plus.



## Ordering Guide

Catalog Number	Description
201-10001	WellMate Microplate Dispenser <i>Includes, WellMate base unit, 1 small-bore tubing cartridge, and 1 standard-bore tubing cartridge</i>
201-20001	WellMate Stacker Base Unit
501-30005*	Removable Stacker Chimney, Tall
501-30006*	Removable Stacker Chimney, Short
201-30001	8-Channel Standard Bore Disposable Tubing Cartridge, Pre-sterilized (5 per case)
201-30002	8-Channel Small Bore Disposable Tubing Cartridge, Pre-sterilized (5 per case)
201-30003	8-Channel Teflon-coated Stainless Steel Tip Cartridge, Reusable, Pre-sterilized

\*Two stacker chimneys are required

## Accessories

WellMate OCX integration software allows PC-style control of all functions via RS232 communication protocol. This tool is available for free download from [www.matrixtechcorp.com](http://www.matrixtechcorp.com).

## Applications

- Addition of buffers, diluents, enzymes, substrates, ligands, etc.
- Addition of labeled compounds, including fluorophores, radio labeled compounds.
- WellMate can be placed in a dark room for dispensing light-sensitive compounds.
- Addition of viscous solutions such as glycerol/sucrose solutions.
- Addition of bacteria, yeast.
- Addition of microbeads for assays such as LOCI, scintillation fluid or loading combichem plates.
- Sterile plate filling of cell culture media into 6, 12, 24, 48, 96, or 384 tissue culture plates.
- Sterile plate filling of suspended cell cultures.

## Compatible Products

Matrix ScreenMates®, TrakMates®, and any SBS standard footprint, 6-384 well, deep or shallow plates, tubes, or blocks.

Automation-Friendly Lids.

## Product Specifications

Unit	Measurements	Weight
<b>WellMate</b> Microplate Dispenser	14.75" x 11.5" x 8.5" 37.5 x 30 x 21.6 cm	24 lbs. 11 kg
<b>Power Requirements</b>		
Input Voltage 100V AC or 240V AC Consumption 50/60 Hz – 110VA		
<b>WellMate</b> Stacker Base Unit	W31.06" x D12.65" W78.89cm x D32.13cm Height with Tall Stackers = 40"/101.6cm* Height with Short Stackers = 28"/71.12cm*	60 lbs. 27.22 kg
<b>Power Requirements</b>		
Input Voltage 100V AC or 240V AC Consumption 50/60 Hz -40VA		

\* Allow clearance of at least 2 inches if unit is placed in a containment hood.



**Contact Your Matrix Representative or Customer Service Today to Arrange a Demo.**  
**1.800.345.0206 or [info@matrixtechcorp.com](mailto:info@matrixtechcorp.com)**



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