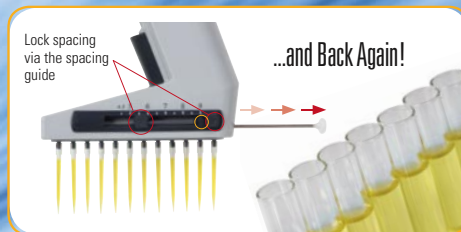
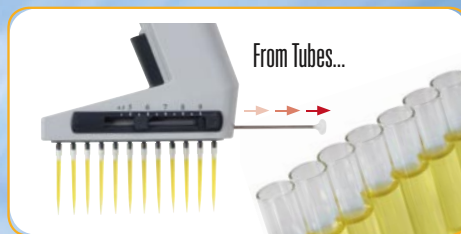


eQualizer[®]

Just Plain Ingenious.™



Just Plain Ingenious...

Applications:
Gel Loading
96- to 384-well plate reformatting
Tube rack to plate transfers
Serial Dilutions

U.S. Patent 6235-244 Europe Patent 1150-772

Multichannel Electronic Pipettor with Expandable, Equal Tip Spacing

fluid thinking
online
www.matrixtechcorp.com.

Perfect for gel loading and sample transfers between formats.

Boost productivity and reduce risk of repetitive stress injury (RSI) with this revolutionary pipettor. The eQualizer's patented tip spacing mechanism expands and contracts with a simple slide adjustment to perform sample transfers between virtually any tube, rack, microplate, or horizontal gel box.

Pipetting has never been so simple.



96 to 384 Plate Reformatting

Ergonomic Design.

- Perfectly balanced, the "ski-boot" design fits comfortable in the hand and facilitates a neutral wrist position.
- Matrix tip fittings are designed with Matrix pipette tips to produce a superior seal requiring minimal insertion and ejection force. The stepped ejector plate also reduces ejection force required.
- Soft touch index finger trigger design eliminates thumb hyperextension.

We did the math!

As scientists and engineers, we recognize the importance of conducting research. Our team conducted transfers from sample tubes to 96-well plates using both an industry standard single channel manual pipettor and our patented eQualizer. From time and cost savings, to reduction in RSI risk and force requirements — **the results are staggering!**

Perform **92% less** strain-inducing movements.

288 Movements
Single Channel (Manual)

24 Movements
12 Channel eQualizer

Apply **76% less** force than a single channel

821 lbs. total force
Single Channel (Manual)

200 lbs. total force
12 Channel eQualizer

Save **9 Minutes** per plate.

11 Minutes
Single Channel (Manual)

2 Minutes
12 Channel eQualizer

Save **\$3.69** in Labor per plate.

\$4.55
Single Channel (Manual)

\$0.86
12 Channel eQualizer



Tubes to Plates

Matrix Patented eQualizer Pipettors

Catalog Number	Volume	Channels	Volume Range	Color Ring
2032	250µl	8-Channels	5-250µl	Blue
2034	1250µl	8-Channels	15-1250µl	Green

Matrix Patented eQualizer 384 Pipettors

Catalog Number	Volume	Channels	Volume Range	Color Ring
2139	12.50µl	8-Channels	0.50-12.50µl	Red
2130	30µl	8-Channels	1.0-30.0µl	Purple
2131	125µl	8-Channels	2.0-125.0µl	Yellow
2239	12.50µl	12-Channels	0.50-12.50µl	Red
2230	30µl	12-Channels	1.0-30.0µl	Purple
2231	125µl	12-Channels	2.0-125.0µl	Yellow

Adjustable Tip Spacing.

The eQualizer's tips can be spaced anywhere from 4.5mm (eQualizer 384) or 9mm (96-well microplates) to 14.15 (12-13mm tube rack spacing or 48-well plates) in increments of 0.1mm. The distance between tips is always equal – simply set the desired spacing anywhere on the scale and pull or push the rod to expand or contract the tips. The eQualizer 384 features tip spacing down to 4.5mm for dispensing from 96 well into 384 well plates. This can be done while the tips are empty or full, enabling the quick and easy transfer of multiple samples at once between labware with different configurations.

Light Tip Application and Ejection.

Matrix tip fittings are designed with Matrix pipette tips to produce a superior seal requiring minimal insertion force. The stepped ejector plate significantly reduces ejection force required, while the soft touch index finger trigger design eliminates thumb hyperextension.

Intuitive Step-based Programming.

Aspirate, mix, and dispense with a single trigger click. No thumbs! The eQualizer saves up to five 40-step programs in memory, and all functions can be linked together. For example, aspirate 50µl, dispense 10µl, 10µl, 10µl, and finally 20µl, while setting specific dispense speeds for each. Or aspirate 20µl of sample, 200µl of diluent, mix the two together and dispense.

eQualizer Spacing Guide

Minimum Spacing

9mm

Transfer To/From:

96 Microplates
Deepwell Blocks
ScreenMates Tube Racks

Maximum Spacing

14.15mm

From/To:

Microcentrifuge Tube Racks
Test Tube Racks
48 Well Microplates

eQualizer 384

Minimum Spacing

4.5mm

Transfer To/From:

384 Microplates
384 PCR Plates
Agarose Gels

Maximum Spacing

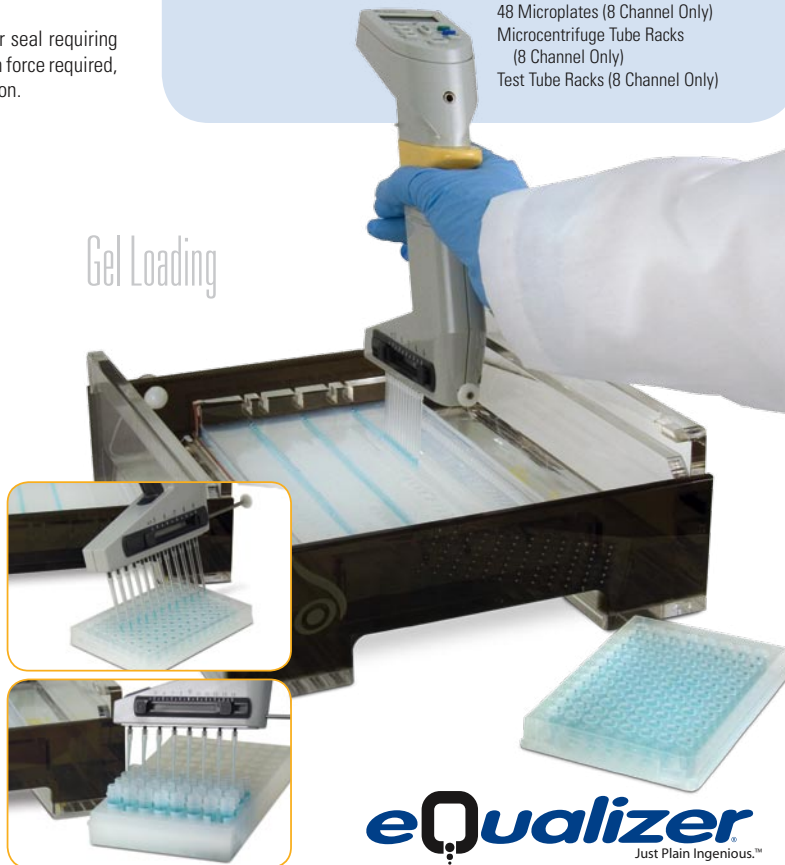
14.15mm (8 Channel)
9mm (12 Channel)

From/To:

96 Microplates
Deepwell Blocks
ScreenMates Tube Racks
48 Microplates (8 Channel Only)
Microcentrifuge Tube Racks
(8 Channel Only)
Test Tube Racks (8 Channel Only)



Gel Loading



eQualizer
Just Plain Ingenious.™

Matrix Technologies is a comprehensive liquid handling company known for innovation and quality solutions. As an industry leader, Matrix develops instruments and consumables in tandem to bring superior moving, storing, and assaying products to the scientific research community.

Handheld Pipetting

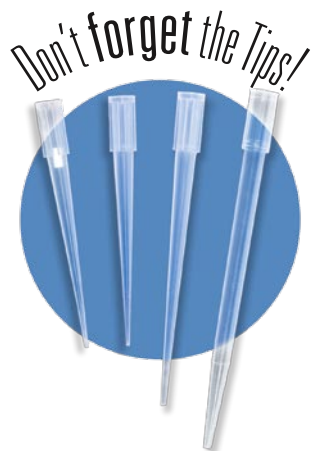
The most fundamental of laboratory tools, handheld pipettors are ideal for everything from large volume transfers with serological pipets to the repetitive filling of microplates. No matter what your chosen application, Matrix's innovative, ergonomic line of instruments enhances your comfort and productivity, and the accuracy of your results.

Automated Liquid Handling

Pipetting becomes more efficient and economical with an automated system. Repetitive tasks can be simplified with automation, and errors avoided during the setup of complex assays involving many steps and intricate serial dilutions. In some applications, such as working 1536 well plates or delivering sub-microliter volumes, an automated system is indispensable.

Sample Storage & Microplates

At Matrix, our commitment to "fluid thinking" includes the engineering of a superior line of storage tubes and microplates that work seamlessly with liquid handling instruments. Our unique designs help you get the most from your handheld pipettors and automated systems, and enhance other liquid handling applications such as storing, shipping, or assaying of fluids. These consumables deliver unsurpassed levels of throughput, precision, and traceability to virtually any field of research.



The consumables you use play a role that's equally as important as your instruments. Innovation at Matrix doesn't stop with our pipettors — we carry "fluid thinking" throughout the entire pipetting process, offering superior consumables for all your pipettors.



Certified free of DNA, DNase, RNase, Endotoxins, and Cytotoxins.

eQualizer Tip Compatibility Chart

Description	eQualizer 8 Channel	eQualizer 384 8 Channel	eQualizer 384 12 Channel	Bulk	Non-Sterile	Sterile	Sterile Filtered	ECOTIPS
250µl Tip	2032			7250	7151	7152	7275*	7156
250µl TallTip	2032			7280	7281	7282	7285*	
300µl Tip	2032			7320	7321	7322	7325**	
300µl TallTip	2032			7080	7081	7082	7085**	
1250µl Tip	2034			8050	8041	8042	8046	8045
1250µl TallTip	2034			8250	8241	8242	8246	8245
12.5µl 384 Tip		2139	2239		7421	7422	7245	
30µl 384 Tip		2130	2230		7431	7432	7435	
125µl 384 Tip		2131	2231		7441	7442	7445	

* 200µl functional volume ** 250µl functional volume



www.matrixtechcorp.com

North America: Hudson, NH 03051 USA | Tel: 603.595.0505 | 800.345.0206 | email: info@matrixtechcorp.com

Europe: Cheshire SK9 3LP UK | Tel: +44 (0) 161 486 2110 | email: info@matrixtechcorp.eu.com

Asia: Japan | email: asia@matrixtechcorp.com