

Freedom EVOlyzer[®] 100.

ENTRY-LEVEL ELISA AUTOMATION.

The Freedom EVOlyzer 100 provides an ideal automation solution of microplate-based ELISA analysis for laboratories with low to intermediate throughput. It offers precision and accuracy in a compact footprint.

ECONOMICAL

Continuous sample loading enables fast response to changing demands, delivering higher throughput and saving time.

Liquid level sensors precheck samples and reagents, as well as wash buffer volumes, to reduce manual interactions and help prevent pipetting errors.

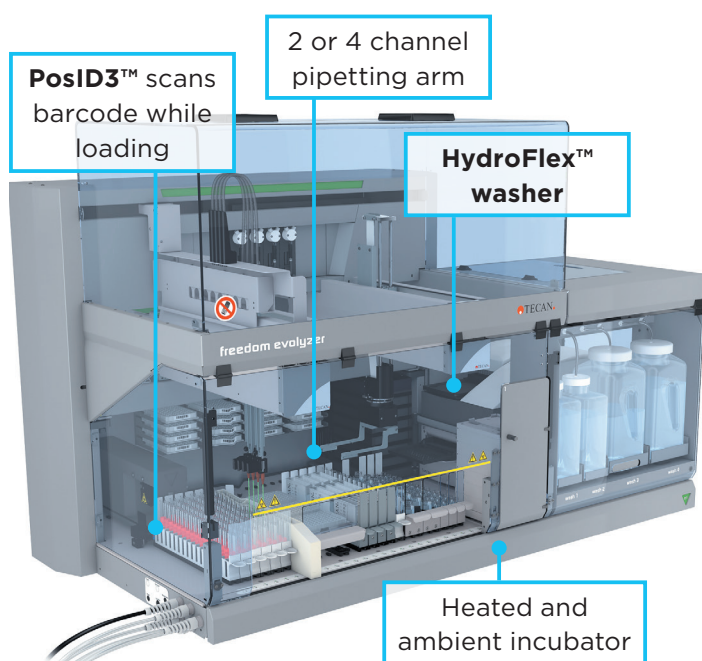
Maintenance reports support laboratory quality management and reduce administrative efforts.

Reduced consumables cost with the use of fixed tips.

SAFE

Automatic barcode scanning tracks samples, plates and reagents throughout the process, ensuring traceability and process security.

Simple operation, supported by reagent shopping lists, loading guides, selection of assays, and multi-language software.



Compact and fully capable ELISA automation system for low to intermediate throughput laboratories.

EFFICIENT

Two or four pipetting channels provide rapid distribution of samples and reagents.

Choose between **fixed washable tips** or **conductive disposable tips** to optimize productivity.

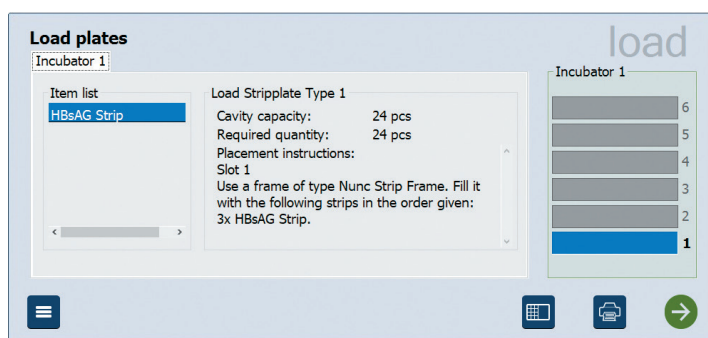
Dynamic scheduler optimizes system usage and turn-around times, by processing up to 12 plates in parallel*.

*The number of parallel plates will vary according to assay specifics.

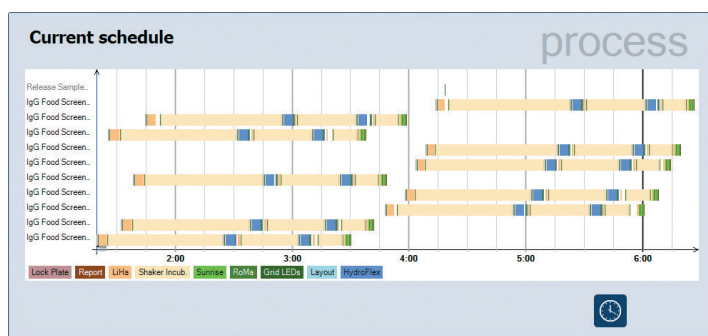
PRECISE

Optimized pipetting parameters for consistent processing of valuable and difficult-to-pipette samples.

Integrated heated or shaking incubators, with individual control and temperature monitoring for each slot.



Step-by-step guided loading provided by Freedom EVOlution™ software when assays are launched.



Example schedule for running 10 different assays in one run using a 4-channel Freedom EVOlyzer 100.



Freedom EVOLyzer 100 specifications

Worktable size	Max 25 grids (rack positions)
Tip configuration	2 or 4 tips
Ambient incubator slots	6 positions
Heated incubator slots	6 positions
Sample input formats	10 to 16 mm diameter sample tubes, microplates, strip plates or deep-well plates
Dimensions H/W/D (mm)	910/1,520/800
Analyze multiple assays on the same plate	Yes
Typical number of plates processed in parallel	4-6

Liquid Handling

Pipetting precision achievable in the application	10 µl with $\leq 3.5\%$ (fixed tip, disposable tip 200µl) 100 µl with $\leq 0.75\%$ (fixed tip, disposable tip 200µl)
Liquid detection	Down to 50 µl of conductive liquid can be detected
Predilution options	Common, serial or exclusive predilution, as well as combined predilutions on one plate

Incubator: MIO™

Temperature range	37°C or 46°C with accuracy of +/- 1°C
Shaker	Optional, up to 500 rpm

Washer: HydroFlex™

Manifold	8-way or 16-way
Wash channels	4 channels for wash buffers, with wash buffer capacities: 2 x 2 liters and 2 x 4 liters, with liquid level sensors

Photometer: Sunrise™

Measurement range	340-399 nm, 0-3.0 OD; 400-750 nm, 0-4.0 OD
Wavelength selection	4 or 6 fixed interference filters (405, 450, 492, 540, 570, 620) or gradient filter (400 - 700 nm)

Software: Freedom EVOLution™

Operating System	Microsoft Windows® 10 Enterprise LTSC, 64-bit
LIMS Interface	Bi-directional ASTM (NCCLS LIS1, NCCLS LIS) interface

DISCOVER THE FREEDOM EVOLYZER

To learn more about the Freedom EVOLyzer, contact your nearest Tecan office or visit: lifesciences.tecan.com/freedom-evolyzer

To learn more about Tecan immunoassays and pre-programmed EVOLution protocols, visit: www.ibl-international.com/en/automation/cat-evolyzer

SCAN ME



TO LEARN MORE ABOUT THE FREEDOM EVOLYZER

This product may not be supported in your local territory. Please contact your local sales representative.

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