

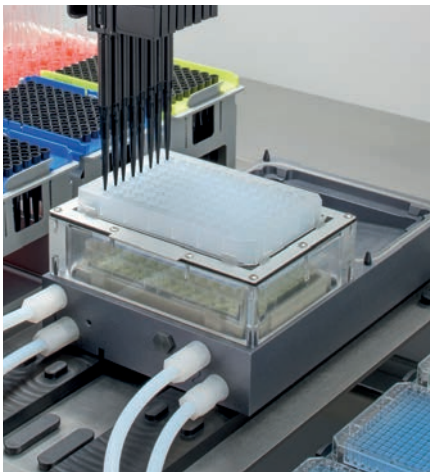
Te-Options.

TWO INSTRUMENTS, UNLIMITED OPTIONS,
INDIVIDUAL SOLUTIONS.



Flexible options to meet changing needs.

For Freedom EVO® and Fluent®



TeVacS™ - high throughput vacuum separation

The Te-VacS is an automated solution for vacuum solid phase extraction (SPE). The system can be assembled by a Robotic Manipulator Arm™/ Robotic Gripper Arm™ for fully automated operations, and is ideally suited to DNA/RNA extraction or compound purification. Smooth pressure regulation allows safe sample extractions without contamination.

Full software control offers two pumping options: Fast pumping to guarantee abrupt evacuation for high flow resistances using large volumes, and gentle pumping for substances that require long reaction times or when using delicate materials (eg. filters) within the separation columns.

Highlights

- Complete automation for cartridge-based filtration and SPE
- Two independently controlled vacuum positions
- Software-controlled vacuum pressure with feedback



Te-Shake™ - consistent assay results and total flexibility

This high efficiency orbital shaker can handle virtually any labware type, including microplates, deep-well plates, PCR plates and tubes. It can also be configured or upgraded with a heating option to meet the specific needs of your laboratory.

Full software control of all relevant shaking and heating parameters helps to ensure more reliable assay results, with a broad dynamic shaking range and variable rotation speeds to enable both rigorous mixing and delicate resuspension tasks.

Automated transport of plates to and from the shaker enables longer walkaway times without the need for user invention. Pipetting directly to or from labware on the Te-Shake helps to further increase productivity, allowing timely addition of reagents to help you obtain better assay results.



Monitored Incubation Option (MIO) – precise control of microplate incubation

Our range of incubator options is designed to address the varying environmental conditioning and capacity requirements of a wide variety of life sciences and diagnostics applications. The MIO allows incubation of up to four or six microplates on the workdeck, from room temperature +5 to 60 °C, with or without shaking. It is ideally suited to ELISA and cell-based assay applications, and several incubator modules can be used in parallel to provide different temperatures and environmental conditions. Temperature-controlled carriers are also available for reagent and media reservoirs, tubes and plates, ensuring consistent assay conditions.



Te-MagS™ – walkaway magnetic separation

A powerful magnetic bead-based separation tool for sample purification, the Te-MagS is ideal for automation of DNA, RNA and protein purification, as well as cell isolation. It is compatible with 96-well microplates and PCR plates, or up to 48 Eppendorf tubes, and full software control ensures longer walkaway times for increased productivity.



Storage solutions for Freedom EVO & Fluent.

Te-Stack™/Stacker™ - high throughput storage for microplates and disposable tips

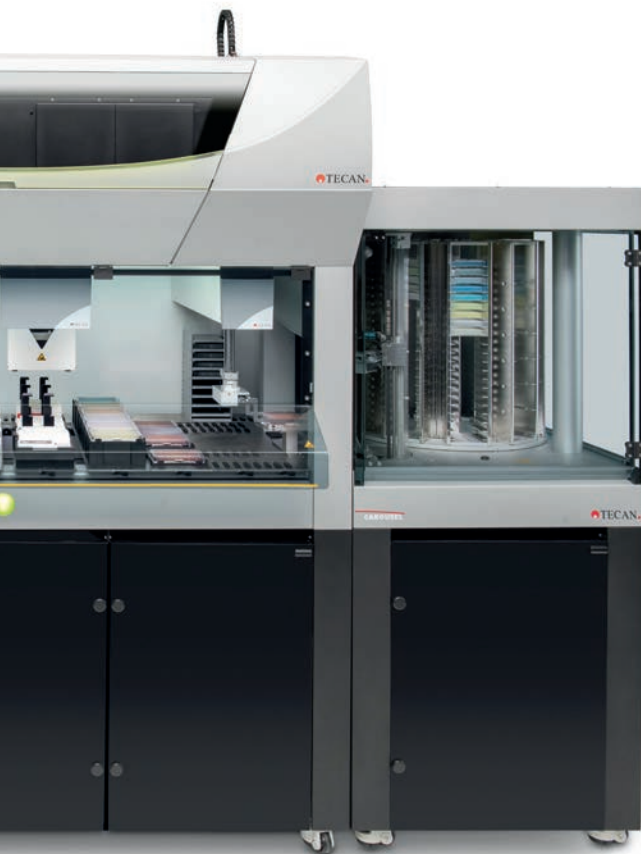
The Te-Stack/Stacker options offer efficient automated storage, retrieval and fast delivery of microplates and disposable tips for the Freedom EVO® and Fluent® workstations, respectively. They represent a cost-effective solution to maximize walkaway time for a wide range of genomics, drug discovery and high throughput screening applications, with an average delivery time of less than five seconds.

Each stacker column holds up to 40 standard microplates, or up to 40 layers of MCA 96 nested tip racks. Both stackers allow pipetting directly to and from the transfer station, further increasing throughput. Used plates or tip racks are stored in an 'exit' stack for easy removal or can be disposed directly with the optional waste chute.



The Te-Stack/Stacker can be mounted on the left or right side of the platform.





Carousel - random access to different labware

Two type of carousels are available: The LPT 280 EVO for the Freedom EVO and the Fluent Carousel™ for the Fluent offering capacity of 280 and 220 microplates respectively. Both provides individual random access for different microplates and disposable tip types. The average access time is below 15 seconds.

The Carousel consists of a motorized turntable with detachable stackers that can be quickly removed and replaced without disruption of the automation process. The stackers are fully autoclavable. In order to maximize safety a barcode reader is scanning each labware entering or leaving the carousel.



Random access to microplates or disposable tips within 15 seconds of time.

Available for

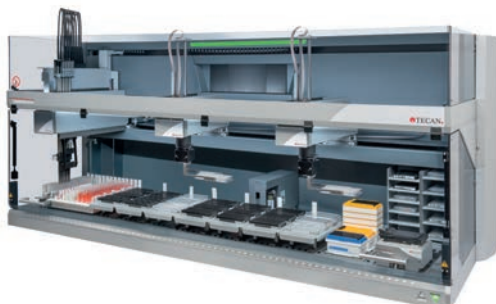
FREEDOM EVO 100



FREEDOM EVO 150



FREEDOM EVO 200



FLUENT 480



FLUENT 780



FLUENT 1080



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