HAMILTON

FlipTube® 1.5 mL

Automatable Microcentrifuge Tube



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Convenient

FlipTube: Specially developed for the automation of opening/closing processes.

Easy-to-use

Contamination-free opening via FlipTube Tool or performed manually.

Smart

Integrated locking mechanisms ensure that the lid remains open at its position.

Revolutionary design for both fully automated processes and manual application

The FlipTube from Hamilton Robotics is the first 1.5 mL reaction tube that resolves a major drawback of standard reaction tubes: that of automating microtube opening and closing.

Only FlipTube is designed to automate the opening/closing steps by applying gentle and gradual pressure to the rear end of the hinged lid.

In addition, FlipTube is much more practical for manual opening/closing than standard microtubes already on the market. The FlipTube significantly reduces risk of sample contamination by the fact that during the opening process (gentle pressure to the rear end of the lid), the finger never comes into contact with the underside of the tube lid.

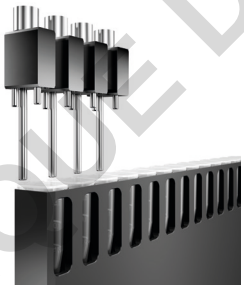
Increase your productivity both safely and efficiently

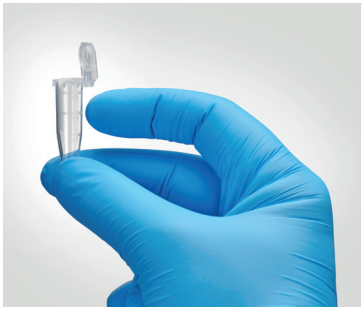
In sample analysis, the base material can come from many different sources and bring along with it a lot of special challenges in an automated process.

Cooling, heating, mixing, spinning, and weighing – all or any of these steps can be required. Only the FlipTube system combines all these tasks in an efficient way. The smart FlipTube 1.5 mL guarantees a contamination-free and safe workflow, via the perfect interaction between the unique FlipTube Toolset and smart accessory for Hamilton Platforms.

The gradual opening of the tube lid avoids the formation of aerosols.









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FlipTube 1.5 mL

The perfect tube that has been designed for your hand and was specifically developed for automation.

- Contamination-free: Manual opening by applying gentle pressure on the rear lid
- Unique lid design with lock-mechanism: Automated opening/closing via the FlipTube Tool
- Precise lid sealing: Minimizing sample evaporation
- Easy marking: Large frosted lid and surface on the side
- Optical control: Graduated lines at 0.1 mL, 0.5 mL, 1.0 mL, and 1.5 mL

FlipTube Toolset

With the unique FlipTube Toolset, the FlipTube can be opened and closed automatically, depending upon the specific preparation step.

- Minimizes risk of aerosol formation by applying gentle and gradual pressure on the rear end of the lid.
- Enhances sample safety, which may be affected due to evaporation or spills of infectious/ toxic materials.
- Offers a fully walk-away automation process, that was previously impossible.

Smart FlipTube accessories guarantee flexible hands-free preparation steps



Functional 24-well FlipTube Rack and FlipTube

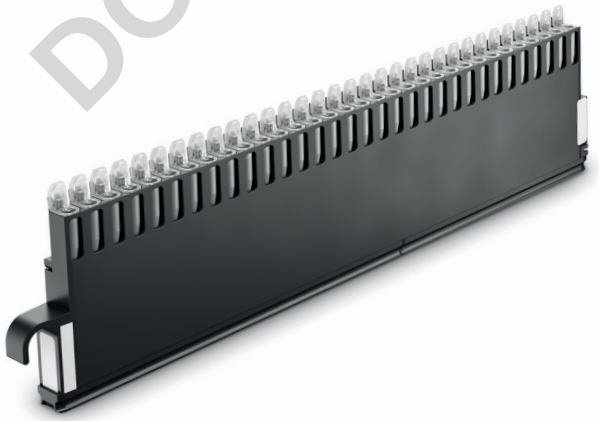
- Guide-wall with openings for the perfect alignment of FlipTubes, in order to ensure the correct opening/ closing of tubes with FlipTube Toolset
- Secure rack transport on-deck via Gripper (e.g., CO-RE Gripper)
- SBS format Rack for centrifugation
- Compatible with functional Heater Shaker / FlipTube H/C Block



Functional FlipTube H/C* Block for FlipTube Rack

- Heating/Cooling of 24 tubes by put over-compatible FlipTube Rack
- Superior heating / cooling performance due to the FlipTube cone-design of each well
- One-direction fit: design features on both parts ensure correctly aligned placement

* Heater Shaker / Cooling



1T SMP Sample Carrier with Barcode Window for 32 FlipTube

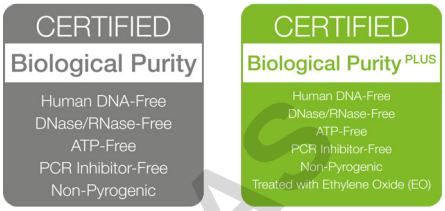
- Alignment of FlipTube by special carrier well-design for controlled automated opening/closing of FlipTube
- Reading of barcoded tubes in 1T sample carrier

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Ordering Information

Automatable FlipTube

Order No.	Description	Sterile	Autoclavable	Case Size
235454	**FlipTube**	No	Yes	2,000 tubes/case (500 tubes/bag)
235693	**FlipTube**	Yes	Yes	2,000 tubes /case (100 tubes/bag)



Tool and Accessories

Order No.	Description	Platform
814314	**FlipTube Tool-Set Landscape** – Park position on waste block rear	STAR/STARlet
814315	**FlipTube Tool-Set Portrait** – Park position on waste block rear	STAR/STARlet
10067320	**FlipTube Tool L MFX** – FlipTube Tool Landscape Orientation on MFX Carrier	VANTAGE
10072597	**FlipTube Tool P MFX** – Flip Tube Tool Portrait Orientation on MFX Carrier	VANTAGE
809032	**Single FlipTube Tool, Spare Part**	STAR/STARlet/VANTAGE
809030	**FlipTube sample carrier for 32 FlipTube**	STAR/STARlet/VANTAGE
199085	**Heater Shaker 3.0 FlipTube Rack**	STAR/STARlet
10068899*	**Hamilton Heater Shaker 3.0 FlipTube Rack**	VANTAGE
814270	**Functional 24-well FlipTube Rack** – autoclavable [1]	STAR/STARlet
814275	**MFX FlipTube Park Position** – SBS format	STAR/STARlet/VANTAGE
814269	**FlipTube H/C Block**	STAR/STARlet/VANTAGE
814165	**FlipTube Insert** for loading into the standard tube carrier	STAR/STARlet
819420	**FlipTube Adapter 32**	VANTAGE

*Only available in EMEA.

[1] Notice on suitability for autoclaving: products made of PC can be autoclaved at temperatures up to +121 °C, 20 min. without significant loss of mechanical properties. It is the responsibility of the user to check whether other product characteristics are influenced by the desired application.

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