

# COMPARISON

## HYDROFLEX™ vs. HYDROFLEX PLUS.

Reliable. Compact.



HydroFlex  
HydroFlex Plus

Product Version	HydroFlex (GP)	HydroFlex Plus (IVD)
	<input checked="" type="checkbox"/> Supports FDA 21 CFR Part 11 functionality	<input checked="" type="checkbox"/> IVDR (EU) 2017/746 <input checked="" type="checkbox"/> Supports FDA 21 CFR Part 11 functionality
Material #	30087531	30190374
Intended use	General purpose (GP) laboratory instrument	In vitro diagnostic medical device specific for clinical ELISA tests. The HydroFlex Plus plate washer has been designed to meet IVDR (EU) 2017/746 when configured for ELISA washing. <input checked="" type="checkbox"/> Designed to meet IVDR (EU) 2017/746
Features	<ul style="list-style-type: none"> <li>• Washer for 96-well microplates (including strip washing)</li> <li>• 8- or 16-way manifold for parallel washing of 8 or 16 wells</li> <li>• LLD (Liquid Level Detection) system to monitor the filling level of the liquid bottles (optional)</li> <li>• Automated buffer switching between 1, 2 or 4 channels</li> <li>• Liquid crystal display with 2 rows of 16 digits and keyboard (4 keys)</li> <li>• Shaking: linear (low, medium, high)</li> <li>• Optional user-interchangeable plate carriers for easy switching between washing and filtration applications (for GP version only)</li> <li>• IQ/OQ procedures available</li> </ul>	
Applications	Ideal solution for a wide range of cell-, bead- and ELISA-based applications: <ul style="list-style-type: none"> <li>• Automated washing of ELISAs</li> <li>• Gentle washing of adherent and weakly adherent cells</li> <li>• Protein arrays</li> <li>• Magnetic bead washing (see options)</li> <li>• Vacuum filtration (see options)</li> </ul>	
Software	HydroControl™ (software is included with instrument) The HydroFlex can be fully programmed and operated as a standalone instrument using the built-in display and keypad, and features a selection of predefined cleaning protocols for easy maintenance. Every HydroFlex system is also supplied with Tecan's intuitive HydroControl software, providing example wash programs and a predefined plate library, as well as a simulation mode for offline operation. Wash programs created in HydroControl can be quickly transferred to the on-board memory of the HydroFlex plate washer via a USB interface, using the download function.	
FDA 21 CFR Part 11 functionality	<input checked="" type="checkbox"/> Supports FDA 21 CFR Part 11 functionality In combination with HydroControl software, it also provides FDA 21 CFR Part 11 functionality, including electronic records, signatures and audit trails.	



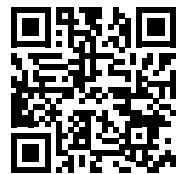
Product Version	<b>HydroFlex (GP)</b> <input checked="" type="checkbox"/> Supports FDA 21 CFR Part 11 functionality	<b>HydroFlex Plus (IVD)</b> <input checked="" type="checkbox"/> IVDR (EU) 2017/746 <input checked="" type="checkbox"/> Supports FDA 21 CFR Part 11 functionality
Colours	White (Standard), Red, Blue, Orange, Silver, Metallic dark green	White (Standard), Red, Blue
Options	<b>Manifolds:</b> <ul style="list-style-type: none"><li>• Option Manifold 8-Channel Standard (Needles: inner diameter 0.4 mm)</li><li>• Option Manifold 8-Channel New Needle (Needles: inner diameter 0.51 mm, better for ELISA wash buffers and gentle cell washing)</li><li>• Option Manifold 16-Channel Standard</li></ul> <b>Input Channels:</b> <p>Option 1-, 2- or 4-Input Channels Standard or with LLD (Liquid Level Detection)</p> <p>The optional Liquid Level Detection (LLD) system controls the fill levels in the wash buffer and waste bottles, warning the user when a critical liquid level has been reached.</p> <b>Plate carriers:</b> <ul style="list-style-type: none"><li>• Option Plate Carrier Standard for ELISA &amp; cell washing</li><li>• Option Plate Carrier MBS (96 magnets) for magnetic bead washing (dye-loaded beads, Luminex-type of beads)</li><li>• Option Plate Carrier Smart-MBS (108 magnets) for magnetic bead separation (DNA separation)</li><li>• Option Plate Carrier Smart2-MBS (108 magnets) for magnetic bead washing (Dynabeads, dye-loaded beads, luminex-type of beads)</li></ul> <b>LLV-Option:</b> <ul style="list-style-type: none"><li>• Low Level Vacuum Filtration (LLV) (-50 to -150 mbar) incl. plate carrier with soft-gasket for bead-based assays such as Luminex-type of non-magnetic beads</li></ul>	<b>Manifolds:</b> <ul style="list-style-type: none"><li>• Option Manifold 8-Channel Standard (Needles: inner diameter 0.4 mm)</li><li>• Option Manifold 8-Channel New Needle (Needles: inner diameter 0.51 mm, better for ELISA wash buffers and gentle cell washing)</li><li>• Option Manifold 16-Channel Standard</li></ul> <b>Input Channels:</b> <p>Option 1-, 2- or 4-Input Channels Standard or with LLD (Liquid Level Detection)</p> <p>The optional Liquid Level Detection (LLD) system controls the fill levels in the wash buffer and waste bottles, warning the user when a critical liquid level has been reached.</p> <b>Plate carriers:</b> <ul style="list-style-type: none"><li>• Option Plate Carrier Standard for ELISA &amp; cell washing</li></ul> <b>NOTE:</b> <ul style="list-style-type: none"><li>• No options for magnetic beads!</li><li>• No option for Low Level Vacuum Filtration!</li></ul>
Robotic integration	Ready for robotic integration: Every HydroFlex plate washer is ready for integration onto Tecan robotic platforms.	
Sustainability	<b>Green Innovation by Tecan</b> <input checked="" type="checkbox"/> <b>Designed to meet 2011/65/EU RoHS and EU 2015/863 RoHS</b> The <b>HydroFlex</b> is designed to meet the European directive 2011/65/EU and EU 2015/863 RoHS for the reduction of hazardous substances, as well as China RoHS for the Reduction of Hazardous Substances.	

HydroFlex (#30022011): IVD version only registered and available in China. Features are identical to above versions.  
HydroFlex Elisa (#30087532): IVD version only registered and available in US and Canada. Features are identical to above versions.

To find out more contact your local Tecan sales representative, visit [www.tecan.com/hydroflex](http://www.tecan.com/hydroflex), or contact [info@tecan.com](mailto:info@tecan.com).

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