

# DISCOVERY PRO single & multichannel pipettes



SCIENCE AT YOUR FINGERTIPS

## DISCOVERY PRO single channel pipette

Creating new products HTL always focuses on ergonomics, accuracy and precision. The new single and multichannel DISCOVERY PRO pipette series is uniquely dedicated to the three key features. The contoured shape of the handle and finger-hook guarantee correct grip reducing wrist strain and fatigue. The tip ejection force is reduced by more than 30% thanks to the unique pushbutton-lever system. In addition to the outstanding comfort, the new DISCOVERY PRO pipette offers quick and easy volume settings even when used with gloves. All DISCOVERY PRO pipette models are fully autoclavable (121°C/ 100kPa/ 20 min.) and can be safely sterilized with UV radiation.



## DISCOVERY PRO multichannel pipette

DISCOVERY PRO multichannel pipette is equipped with volume setting/locking mechanism, 4-digit counter and also soft thumb-friendly spring-system, which guarantees smooth pipetting of 8 and 12-channels. Thanks to the innovative pipette construction all internal components are thermally insulated from the handle therefore eliminating heat transfer from the hand and ensuring pipette accuracy. DISCOVERY PRO multichannels feature a revolutionary suspension system that ensures secure tip sealing and also eliminates the common incidence of tips being jammed on pipette outer shafts. The curved ejection bar allows tips to be pushed off in steps, therefore reducing the amount of force required for ejection.



## DISCOVERY PRO pipette series ordering information

Model	Cat. no.	Colour code	Volume (µl)		A(%)	P(%)	Fit to tips (µl)
				0.2	+ 12.0	± 6.0	
DP2*	6001	Red		1.0	±2.7	± 1.3	
			Max	2.0	±1.5	± 0.7	
			Min	0.5	±4.0	± 2.8	- 10
DP10	6002	Red		5.0	±1.0	± 0.6	
			Мах	10.0	± 0.5	± 0.4	í literatur (
DP20			Min	2	± 3.0	± 1.5	
	6003	Yellow		10	±1.0	± 0.5	
			Мах	20	± 0.8	± 0.3	
DP100			Min	10	±1.6	± 0.80	
	6004	Yellow		50	±0.8	± 0.24	000
			Мах	100	± 0.8	± 0.20	200
DP200			Min	20	±1.2	± 0.60	
	6005	Yellow		100	±0.8	± 0.25	4
			Max	200	±0.6	± 0.20	
DP1000			Min	100	±1.6	± 0.40	
	6006	Blue		500	± 0.7	± 0.20	1000
			Max	1000	±0.6	± 0.15	
DP8-10	4951	P. I	Min	1	± 8.0	± 6.0	
DP12-10	4955	Red		5	<u>±</u> 4.0	± 2.0	10
0112-10			Max	10	± 2.0	± 1.2	
DP8-50 DP12-50	4952		Min	5	± 4.0	± 2.5	
	4952	Yellow		25	<u>+</u> 3.0	± 1.2	2
	4930		Max	50	± 1.6	± 0.6	200
DP8-200 DP12-200	4953		Min	20	± 3.0	± 1.5	200
	4957	Yellow		100	± 1.5	± 0.8	
	4001		Max	200	± 1.0	± 0.6	
DP8-300 DP12-300	4954		Min	50	± 1.6	± 1.5	
	4954 4958	Green		150	± 1.2	± 1.0	300
	4958		Max	300	± 1.0	± 0.6	

\* The DP2 minimum volume is 0.1  $\mu$ l

### Guality control certificate



Each HTL pipette is supplied with an individual QC certificate, attesting the strict factory control and excellent performance values obtained. Conformity to ISO 8655 and IVD 98/79/EC Directives. The production standards set by the manufacturing quality management systems – certified to ISO 9001/2000.

#### User calibration





Remove the colour cap using the calibration key. Set the calibration switch in its upper position.





Insert the calibration key into the ejector orifice. Turn the key so as the volume indicated by the counter is equal to the average calculated volume.

Remove the calibration key and set the calibration switch in its lower position. Place the cap on the ejector button.

#### Easy maintenance

All pipettes require periodic maintenance, depending on the applications performed and intensity of use. The subassemblies subject to action of aggressive solution vapors, such as shaft elements, should be regularly inspected and cleaned. Regular cleaning and maintenance will help to ensure the continuous performance of a pipette. The DISCOVERY PRO has been designed for easy cleaning and maintenance. External surfaces of the handgrip, knob and pushbuttons may be cleaned with a tissue dipped in isopropyl alcohol. The remaining elements removed from the pipette during disassembly can be washed with distilled water or isopropyl alcohol. It is not necessary to disassemble the entire set to inspect and clean the shaft.\* Unscrew the shaft from the shaft holder set.



• When the shaft is removed, the seal and the o-ring are automatically moved out of the shaft holder set to make maintenance as easy as possible.



\* Pipette volumes 2-100 µl





### Starter 4 PACK



DISCOVERY PRO STARTER 4 PACK (cat. no. 7903) creates an interesting opportunity for all users who are just starting to equip their laboratory, or who decided to switch to HTL pipetting system. The starter pack includes four pipettes: DP10, DP20, DP200, DP1000, four position universal linear stand and also three racks of HTL pipette tips. Each STARTER 4 PACK is delivered with some useful accessories:

- calibration keys
- pipette hangers
- instruction manuals

## HTL pipette tips

HTL Pipette Tips are designed to fit a wide variety of single and multichannel pipettes. Flexible walls and the diameter of tips collars ensure a secure fit with less force required to load and eject. All pre-sterilized tips are exposed to e-beam radiation for complete security without degrading the plastic or performance. Tips are manufactured in one of the most technically advanced plastic disposable production facility in clean room conditions. HTL Pipette Tips are certified to be free from bio active contaminants as RNase, DNase or pyrogens. HTL tips are offered in standard, sterile and filtered versions in all popular packaging formats:



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