

# MCA96 Disposable Tips.

## SPECIFICATIONS

### PRODUCT DESCRIPTION

MCA96 disposable tips are manufactured by automation in a controlled environment, using state of the art production processes, integrated quality controls and premium raw materials.

#### PACKAGING

Product Type	Single stack	Nested 8-stack	Nested for Te-Stack
Contents per Sales Unit	96 tips/wafer, 10 wafers/rack, 4 racks/sales unit, 3840 tips  96 tips/wafer, 10 wafers/rack, 5 racks/sales unit, 4800 tips 500 µl only	96 tips/wafer, 8 wafers/rack, 5 racks/sales unit, 3840 tips	96 tips/wafer, 10 wafers/rack, 8 racks/sales unit, 7680 tips
Lot number	YYWW1234 (Year, working week, continuous number)		

#### PRODUCTS PART NUMBERS

	Single rack	Single rack	Single rack	Nested 8-stack	Nested 8-stack	Nested Te-Stack
Tip size	Tecan Pure	Tecan Sterile	Tecan Sterile filter	Tecan Pure	Tecan Sterile	Tecan Pure
50 µl	30038606	30038607	30038608	30038609	30048822	30038610
100 µl	30038611	30038612	30038613	30038614	30048823	-
200/150 µl	30038616	30038617	30038618	30038619	30048824	30038620
200 µl wide bore	30050348	-	30050349	-	-	-
500 µl	30046341	-	30046342	-	-	-

### DISPOSABLE TIP DESCRIPTION

#### PRODUCT CHARACTERISTICS

Description	Non-conductive pipette tips for automation			
Material	Tip Polypropylene (PP), translucent	Filter Polyethylene (PE), white	Box and Cover Polypropylene (PP)	Tray Polypropylene (PP), conductive

#### PIPETTING PERFORMANCE

Pipetting performance for Freedom EVO<sup>®</sup>. Pipetting ranges given in brackets, represent the maximal pipetting of tips with a filter.

Tip size	Length (total)	Orifice (ID)	Volume range (aqueous solution)	Performance CV (aque. Sol.)	Performance CV (DMSO)
50 µl tip	38.6 mm	0.41 mm	1.0-50 µl (45 µl <sup>*</sup> )	< 6% at 1.0 µl	< 6% at 1.0 µl
100 µl tip	52.1 mm	0.46 mm	1.5-100 µl (84 µl <sup>*</sup> )	< 6% at 1.5 µl	< 6% at 1.0 µl
200/150 µl tip	52.1 mm	0.51 mm	2.0-200 µl (150 µl <sup>*</sup> )	< 6% at 2.0 µl	< 6% at 1.5 µl
200 µl wide bore	52.1 mm	1.45 mm	10-200 µl (175 µl <sup>**</sup> )	< 4% at 10 µl	n.a.
500 µl tip <sup>‡</sup>	63.0 mm	0.53 mm	25-500 µl <sup>‡</sup> (400 µl <sup>*</sup> )	< 4% at 25 µl	< 5% at 25 µl

Test criteria available upon request

<sup>\*</sup>Max. volume for filtered disposable tips <sup>\*\*</sup>Only applicable for 200 µl wide bore filtered tips.

<sup>‡</sup>Max. volume only with MCA384 option and Extended Volume Adapter (EVA)

#### PURITY LEVELS AND STERILITY

Purity level	Tecan Pure	Tecan Sterile
	free from human DNA, DNase, RNase and PCR inhibitors	free from human DNA, DNase, RNase, pyrogens
Sterilization	None	By e-beam irradiation

General information about the Tecan purity levels can be found on the Tecan homepage:  
[www.tecan.com](http://www.tecan.com) -> life sciences -> Products -> Consumables -> Disposable tips

#### FEATURES

Transport conditions	Temperature -25° / +55°C	Humidity 10-95%
Storage conditions	Product must be stored at room temperature, dry and protected from direct solar radiation.	
Chemical resistance	See Operating Manual Freedom EVO (Doc no. 392886), Chapter 3.7.1 Standard Material Resistance Table.	
Shelf life	Tecan Pure 5 years (after production)	Tecan Sterile 4 years (after production)
Autoclavability	Not permitted	

## LIQUID HANDLING DEVICES

<b>Compatible</b>	With Freedom EVO® 100, 150 or 200 with MultiChannel Arm™ 96 (MCA96). With MCA384 arm on Freedom EVO and Fluent® platforms as described below.
<b>Flexible</b>	Also with the MCA384 with the "ADAPTER EXT VOL 96 MCA96 DITI MCA384" (p/n 30032062), or "ADAPTER 96 MCA96 DITI MCA384" (p/n 30032048)

## FURTHER INFORMATION

<b>ANSI/SLAS format:</b>	MCA96 disposable tip products are available in boxes with ANSI/SLAS format footprint. General information about the MCA96 disposable tips can be found on the Tecan homepage <a href="http://www.tecan.com">www.tecan.com</a> -> Life sciences -> Products -> Consumables -> Disposable tips -> MCA96 disposable tips
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Contact your nearest Tecan office or visit [www.tecan.com/consumables](http://www.tecan.com/consumables)

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**Australia** +61 3 9647 4100 **Austria** +43 62 46 89 33 **Belgium** +32 15 42 13 19 **China** +86 21 220 63 206 **Denmark** +45 70 23 44 50 **France** +33 4 72 76 04 80  
**Germany** +49 79 51 94 170 **Italy** +39 02 92 44 790 **Japan** +81 44 556 73 11 **Netherlands** +31 18 34 48 17 4 **Singapore** +65 644 41 886 **Spain** +34 93 490 01 74  
**Sweden** +46 8 750 39 40 **Switzerland** +41 44 922 89 22 **UK** +44 118 9300 300 **USA** +1 919 361 5200 **Other countries** +43 62 46 89 33  
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