

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[®]. 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*) | < 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*) | < 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*) | < 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**) | < 4% at 10 µl | n.a. |
| 500 µl tip [‡] | 63.0 mm | 0.53 mm | 25-500 µl [‡] (400 µl*) | < 4% at 25 µl | < 5% at 25 µl |

Test criteria available upon request

*Max. volume for filtered disposable tips **Only applicable for 200 µl wide bore filtered tips.

[‡] 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 -> 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

| | |
|-------------------|--|
| Compatible | With Freedom EVO® 100, 150 or 200 with MultiChannel Arm™ 96 (MCA96). With MCA384 arm on Freedom EVO and Fluent® platforms as described below. |
| Flexible | 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

| | |
|--------------------------|---|
| ANSI/SLAS format: | 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 www.tecan.com -> Life sciences -> Products -> Consumables -> Disposable tips -> MCA96 disposable tips |
|--------------------------|---|

Contact your nearest Tecan office or visit www.tecan.com/consumables

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399502 V1.0 11-2016