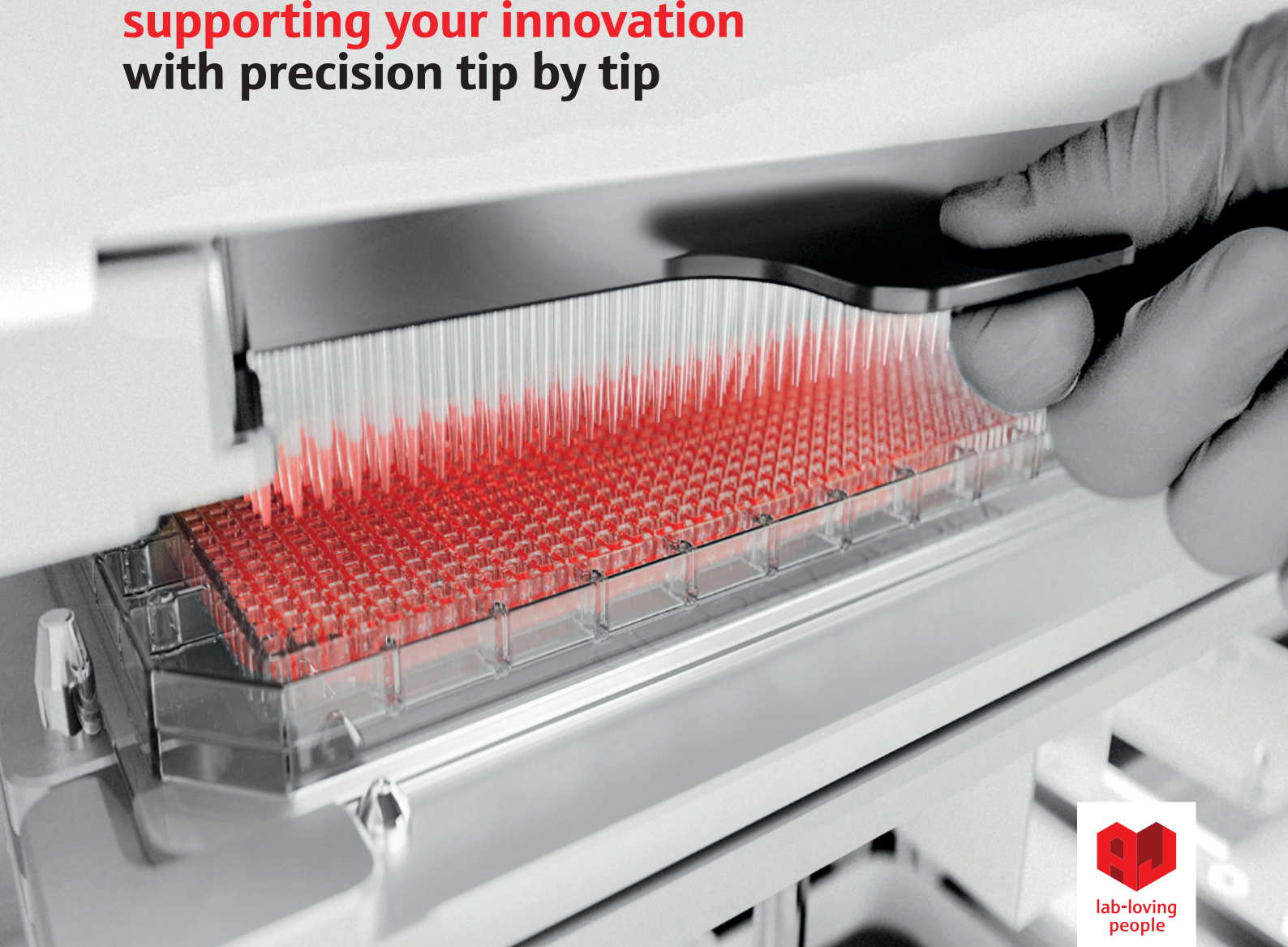


supporting your innovation
with precision tip by tip



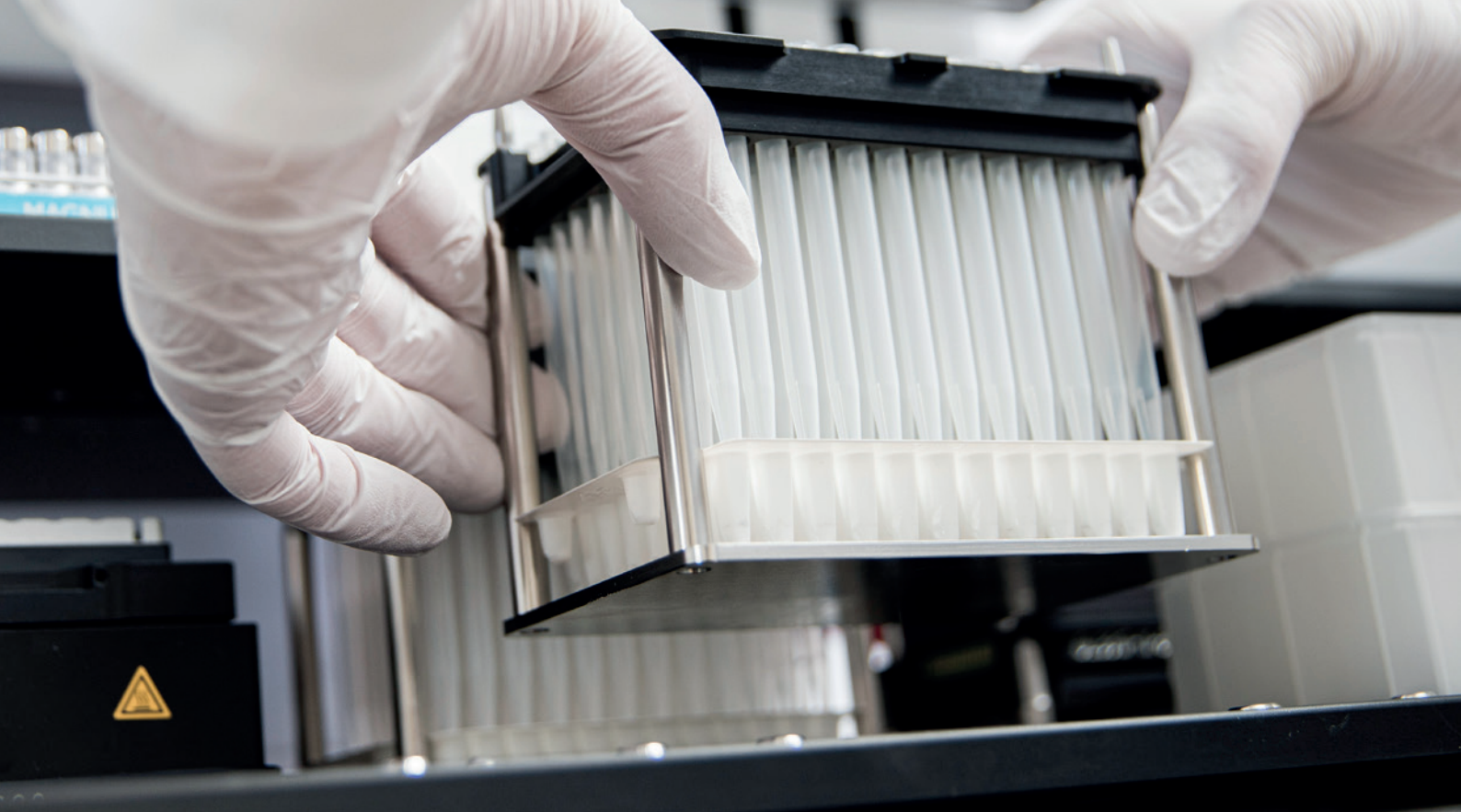
Pipetting tips

For CyBio liquid handling instruments

analytikjena

An Endress+Hauser Company





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Learn more
www.analytik-jena.com/pipetting-tips

1. Introduction

Choosing the right pipetting tips is key to achieving reliable results in automated liquid handling. Our solutions combine optimized tip design with instrument-specific engineering to ensure consistent performance across all CyBio platforms.

The right tips for your instrument - from the manufacturer

Pipetting tips are an essential component of any liquid handling system. Their geometry, material quality, and fit with the instrument have a direct impact on accuracy, precision, and overall performance. That's why we continuously refine the robustness and reliability of our consumables, validating them in our in-house laboratory across our liquid handling portfolio in different application workflows. Our pipetting tips are specifically engineered for CyBio instruments, ensuring an optimal fit and consistently reproducible results in a wide range of applications.

CyBio tip sealing technology

Different applications place different demands on pipetting and tip-sealing mechanisms. Our unique CyBio tip sealing technology for multichannel pipetting heads in 96, 384, and 1536 microplate formats seals each tip individually using an elastomer mat. This design enables:

- High precision and excellent repeatability
- Stable and reproducible tip positioning via centering pins
- Accurate liquid transfers across a broad volume range
- Safe operation with small-diameter wells, including 1536-well plates

This sealing approach is implemented with **CyBio TipTrays** in the **CyBio SELMA** and **CyBio Well vario systems (96/384/1536 formats)**. It is also used in the **CyBio FeliX 96- and 384-channel heads** in combination with automatically loaded **CyBio RoboTipTrays**. CyBio TipTrays and RoboTipTrays are available in various formats, volume ranges, and tip qualities. Performance specifications for all multichannel heads are based on standard-quality tip trays and are documented in the corresponding product brochures.

CyBio FeliX liquid handling adapter concept

To support the widest possible range of workflows, the CyBio FeliX liquid handling adapter concept enables single-channel as well as 8-, 12-, 16-, and 24-channel pipetting. Tips from TipBoxes and TipRacks are automatically loaded by adapter pick-up. This concept provides a high degree of format flexibility while maintaining reliable pipetting performance.



Order consumables for your CyBio liquid handler:

Phone: +49 3641 77 7444
E-mail: sales@analytik-jena.com
Order form: Click [here](#) or scan code

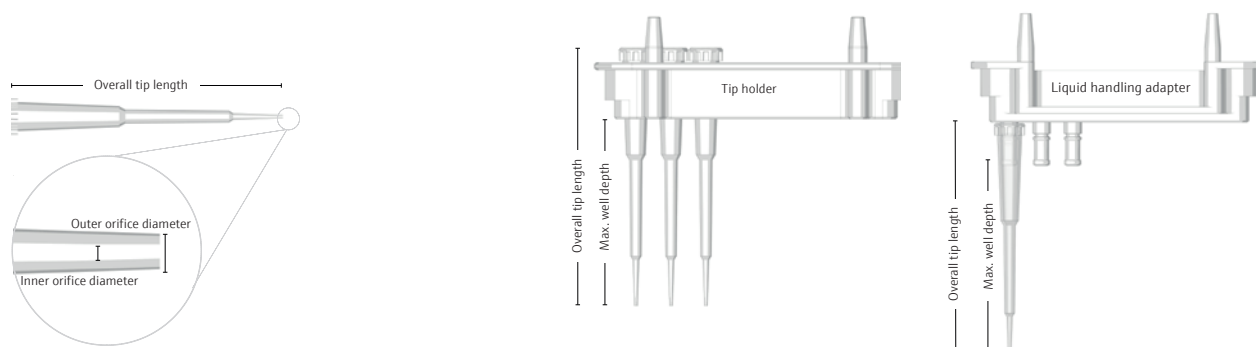


Learn more
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2. Tip materials and dimensions

Tip dimensions and working lengths



Disposable tips (CyBio TipTray & CyBio RoboTipTray) for multichannel pipetting (96, 384, 1536)

Tip reference number	Volume range** [μL]	Material	Overall tip length** [mm]	Outer orifice diameter** [mm]	Inner orifice diameter** [mm]	Max. well depth** [mm]	Tip holder format	Tip holder	
								CyBio TipTray/Magazine	CyBio RoboTipTray
1/2*	10 - 1000	PP	95.4	1.2	0.7	74.6	96	x	x
3/4*	5 - 250	PP	68	0.8	0.4	49.5	96	x	x
7/8/9*	1 - 60	PP	46	0.7	0.4	27.5	96/384	x	x
12/13*	0.5 - 40	PP	40	0.7	0.4	21.55	96/384	-	x
12/13*	0.5 - 25	PP	40	0.7	0.4	21.55	96/384	x	-
14	0.5 - 10	PP	30.9	0.8	0.4	12.55	96/384	x	-
15	0.1 - 8	PP	27	0.5	0.3	9.5	1536	x	-

Disposable tips (CyBio TipRack & CyBio TipBox) for pipetting in single wells, columns and rows

Tip reference number	Volume range** [μL]	Material	Overall tip length** [mm]	Outer orifice diameter** [mm]	Inner orifice diameter** [mm]	Max. well depth** [mm]	Liquid handling adapter format	Tip holder	
								CyBio TipRack	CyBio TipBox
1/2*	10 - 1000	PP	95.4	1.2	0.7	83.6	1/8/12	x	x
5/6*	5 - 250	PP	58.4	0.94	0.48	46.4	1/8/12	-	x
9	1 - 50	PP	46	0.7	0.4	38	1/16/24	-	x
10/11*	1 - 50	PP	58.4	0.76	0.38	46.4	1/8/12	-	x

Non-disposable tips (CyBio Fixed Tip Magazine) for multichannel pipetting (384, 1536)

Tip reference number	Volume range** [μL]	Material	Overall tip length** [mm]	Outer orifice diameter** [mm]	Inner orifice diameter** [mm]	Max. well depth** [mm]	Tip holder format	Tip holder	
								CyBio Fixed Tip Magazine	CyBio RoboTipTray
16	0.1 - 1	Stainless steel	27	0.64	0.33	14	384/1536	x	-
17	0.1 - 1	Ceramic	27	0.64	0.33	14	384/1536	x	-

Non-disposable capillaries (Ceramic Capillary Magazine) for capillary head (96, 384)

Tip reference number	Volume range** [nL]	Material	Overall tip length** [mm]	Outer orifice diameter** [mm]	Inner orifice diameter** [mm]	Max. well depth** [mm]	Tip holder format	Tip holder	
								CyBio Fixed Tip Magazine	CyBio RoboTipTray
18	250	Ceramic	27.4	0.35	0.23	16	96/384	x	-
19	100	Ceramic	27.4	0.266	0.146	16	96/384	x	-
20	50	Ceramic	27.4	0.234	0.117	16	96/384	x	-

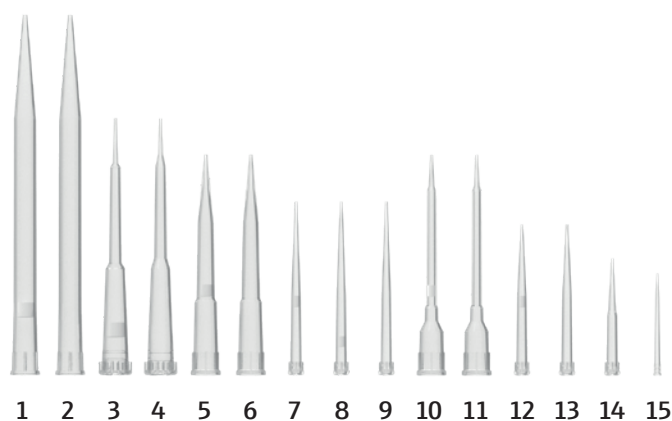
* = equal tip type

** = all values without indicating tolerances

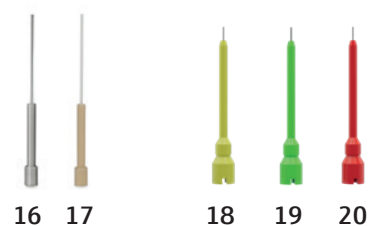
PP = Polypropylene

Tip characteristics

Disposable tips***



Non-disposable tips***



*** = This overview and all tips shown on further pages are not to scale.

3. Tip holders and accessories

CyBio TipTray 96 1000/250/60/25/10 μ L



For highly parallel 96 channel pipetting

- Usage for CyBio SELMA and CyBio Well vario*

*except CyBio TipTray 96/1000 μ L

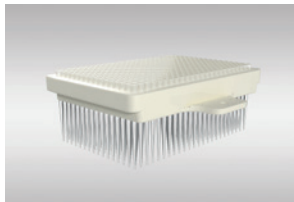
8 Channel Magazine 1000/250/60/25 μ L (metal)



For 8 channel column pipetting

- Usage for CyBio SELMA

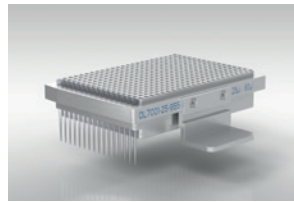
CyBio TipTray 384 60/25/10 μ L



For highly parallel 384 channel pipetting

- Usage for CyBio SELMA and CyBio Well vario

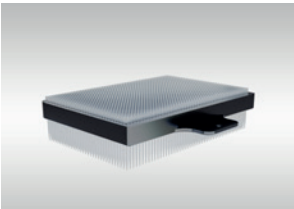
16 Channel Magazine 60/25 μ L (metal)



For 16 channel column pipetting

- Usage for CyBio SELMA

CyBio TipTray 1536 8 μ L



For highly precise parallel 1536 channel pipetting

- Usage for CyBio Well vario

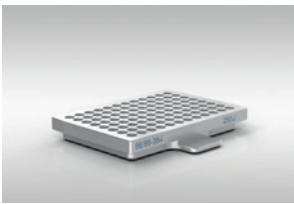
Tip Magazine 384 60/25/10 μ L (metal)



For highly parallel 384 channel pipetting

- Usage for CyBio SELMA and CyBio Well vario

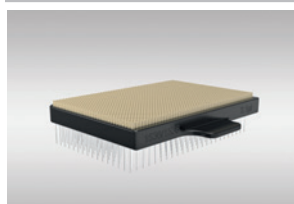
Tip Magazine 96 1000/250/60/25/10 μ L (metal)



For highly parallel 96 channel pipetting

- Usage for CyBio SELMA and CyBio Well vario

Fixed Tip Magazine 1536/384 1 μ L



For highly parallel pipetting in 384 and 1536 well format

- Usage for CyBio Well vario in combination with CyBio Well vario 1536 head

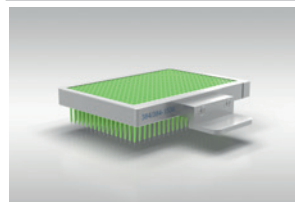
CyBio RoboTipTray 96 1000/250/60/40 μ L



For highly parallel 96 channel pipetting

- Usage for CyBio FeliX

Capillary Magazine 96/384 250/100/50 nL



For highly parallel pipetting in 96 and 384 well format

- Usage for CyBio Well vario in combination with CyBio Well vario Capillary head

CyBio RoboTipTray 384 60/40 μ L



For highly parallel 384 channel pipetting

- Usage for CyBio FeliX

CyBio TipBox 96 1000 μ L SCR



For single channel, 8 channel column and 12 channel row pipetting

- Usage for CyBio FeliX

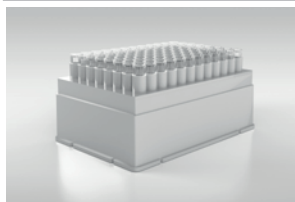
CyBio RoboTipTray 1-96 1000/250 μ L



For individual 1-96 channel pipetting

- Usage for CyBio FeliX

TipBox 96 250/50 μ L



For single channel, 8 channel column and 12 channel row pipetting

- Usage for CyBio FeliX

CyBio TipRack 96 1000 μ L



For single channel, 8 channel column and 12 channel row pipetting

- Usage for CyBio FeliX

CyBio TipBox 192 60 μ L R/C



For single channel, 16 channel column and 24 channel row pipetting

- Usage for CyBio FeliX

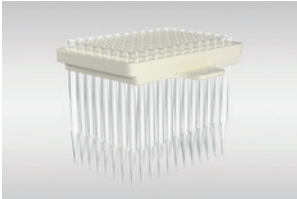
4. Pipetting tips

4.1 Disposable tips for CyBio SELMA

Pipetting tips for CyBio SELMA are available in packaging units (PU) with pre-racked CyBio TipTrays and as bulk tips for tip magazines (metal).

Tips for CyBio SELMA 96/1000 μL



Pipetting tips for 96 channel pipetting and serial dilution using 8 channel magazine for CyBio SELMA 96/1000 μL

CyBio TipTray 96/1000 μL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	1000 μL	96 tips per TipTray	2	16	OL5022-25-371
	PCR-certified, pre-sterilized	1000 μL	96 tips per TipTray	2	16	OL5022-25-374
	PCR-certified, pre-sterilized, filter	950 μL	96 tips per TipTray	1	16	OL5022-25-379

Note: Tip magazine 96/1000 μL (OL5022-25-112) or 8 channel magazine 1000 μL (OL5022-25-115) can be either filled with tips from CyBio TipRack 96/1000 μL (all qualities) or with tips out of the CyBio TipTray 96/1000 μL (all qualities) optional using Tip transfer tool (OL3396-352-25).

Tips for CyBio SELMA 96/250 μL



Pipetting tips for 96 channel pipetting and serial dilution using 8 channel magazine for CyBio SELMA 96/250 μL

CyBio TipTray 96/250 μL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	250 μL	96 DW tips per TipTray	4	18	OL3800-25-559-N
	PCR-certified, pre-sterilized	250 μL	96 DW tips per TipTray	4	18	OL3800-25-759-P
	PCR-certified, pre-sterilized, filter	250 μL	96 DW tips per TipTray	3	18	OL3800-25-959-F
	Standard	250 μL	Bulk DW tips	4	2000 tips	OL3800-25-508-B



Note: Tip magazine 96/250 μL (OL3391-112-25) or 8 channel magazine (OL7001-25-900) can be either filled with CyBio Tips 250 μL DW or bulk (OL3800-25-508-B) and tips from CyBio TipTray 96/250 μL (all qualities) optional using Tip transfer tool (OL3396-352-25).

Tips for CyBio SELMA 96/60 μL

Pipetting tips for 96 channel pipetting and serial dilution using 8 channel magazine for CyBio SELMA 96/60 μL

CyBio TipTray 96/60 μL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	60 μL	96 tips per TipTray	9	24	OL3800-25-535-N
	PCR-certified, pre-sterilized	60 μL	96 tips per TipTray	9	24	OL3800-25-735-P
	PCR-certified, pre-sterilized, filter	18 μL	96 tips per TipTray	7	24	OL3800-25-935-F
		45 μL	96 tips per TipTray	8	24	OL3800-25-936-F
	Standard	60 μL	Bulk tips	9	8000 tips	OL3800-25-505-B



Note: Tip magazine 96/60 μL (OL3384-25-717) or 8 channel magazine 25 μL /60 μL (OL7001-25-940) can be either filled with CyBio Tips 60 μL bulk (OL3800-25-505-B) and tips from CyBio TipTray 96/60 μL (all qualities) optional using Tip transfer tool (OL3397-25-350) except for CyBio TipTray 96/60 μL , PCR-certified, pre-sterilized, filter 45 μL net (OL3800-25-936-F).

CyBio TipTray 96/25 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	25 µL	96 tips per TipTray	13	24	OL3800-25-533-N
	PCR-certified, pre-sterilized	25 µL	96 tips per TipTray	13	24	OL3800-25-733-P
	PCR-certified, pre-sterilized, filter	13 µL	96 tips per TipTray	12	24	OL3800-25-933-F
	Standard	25 µL	Bulk tips	13	8000 tips	OL3800-25-503-B

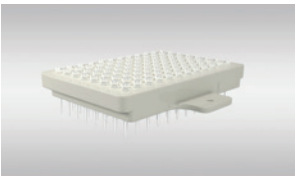
Note: Tip magazine 96/25 µL (OL3397-25-354) or 8 channel magazine 25 µL/60 µL (OL7001-25-940) can be either filled with CyBio Tips 25 µL bulk (OL3800-25-503-B) and tips from CyBio TipTray 96/25 µL (all qualities) optional using Tip transfer tool (OL3397-25-350).

Tips for CyBio SELMA 96/25 µL

Pipetting tips for 96 channel pipetting and serial dilution using 8 channel magazine for CyBio SELMA 96/25 µL

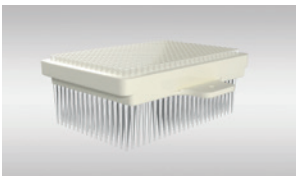

CyBio TipTray 96/25 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	25 µL	96 tips per TipTray	13	24	OL3800-25-533-N
	PCR-certified, pre-sterilized	25 µL	96 tips per TipTray	13	24	OL3800-25-733-P
	PCR-certified, pre-sterilized, filter	13 µL	96 tips per TipTray	12	24	OL3800-25-933-F
	Standard	25 µL	Bulk tips	13	8000 tips	OL3800-25-503-B

Note: Tip magazine 96/25 µL (OL3397-25-354) or 8 channel magazine 25 µL/60 µL (OL7001-25-940) can be either filled with CyBio Tips 25 µL bulk (OL3800-25-503-B) and tips from CyBio TipTray 96/25 µL (all qualities) optional using Tip transfer tool (OL3397-25-350).

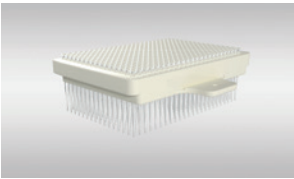

CyBio TipTray 96/10 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	10 µL	96 tips per TipTray	14	24	OL3800-25-532-N
	PCR-certified, pre-sterilized	10 µL	96 tips per TipTray	14	24	OL3800-25-732-P

Tips for CyBio SELMA 384/60 µL

Pipetting tips for 384 channel pipetting and serial dilution using 16 channel magazine for CyBio SELMA 384/60 µL

CyBio TipTray 384/60 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	60 µL	384 tips per TipTray	9	24	OL3800-25-515-N
	PCR-certified, pre-sterilized	60 µL	384 tips per TipTray	9	24	OL3800-25-715-P
	PCR-certified, pre-sterilized, filter	18 µL	384 tips per TipTray	7	24	OL3800-25-915-F
		45 µL	384 tips per TipTray	8	24	OL3800-25-916-F
	Standard	60 µL	Bulk tips	9	8000 tips	OL3800-25-505-B

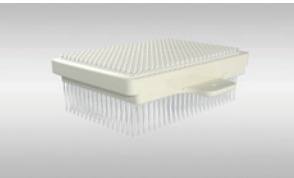

Note: Tip magazine 384/60 µL (OL3384-25-617) or 16 channel magazine 25 µL/60 µL (OL7001-25-955) can be either filled with CyBio Tips 60 µL bulk (OL3800-25-505-B) and tips from CyBio TipTray 384/60 µL (all qualities) optional using Tip transfer tool (OL3191-350-25) except for CyBio TipTray 384/60 µL, PCR-certified, pre-sterilized, filter 45 µL net (OL3800-25-916-F).

CyBio TipTray 384/25 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	25 µL	384 tips per TipTray	13	24	OL3800-25-513-N
	Standard	25 µL	384 tips per TipTray	13	48	OL3800-26-513-N
	PCR-certified, pre-sterilized	25 µL	384 tips per TipTray	13	24	OL3800-25-713-P
	PCR-certified, pre-sterilized, filter	13 µL	384 tips per TipTray	12	24	OL3800-25-913-F
	Standard	25 µL	Bulk tips	13	8000 tips	OL3800-25-503-B


Note: Tip magazine 384/25 µL (OL3191-116-25) or 16 channel magazine 25 µL/60 µL (OL7001-25-955) can be either filled with CyBio Tips 25 µL bulk (OL3800-25-503-B) and tips from CyBio TipTray 384/25 µL (all qualities) optional using Tip transfer tool (OL3191-350-25).

Tips for CyBio SELMA 384/25 µL

Pipetting tips for 384 channel pipetting and serial dilution using 16 channel magazine for CyBio SELMA 384/25 µL

CyBio TipTray 384/25 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	25 µL	384 tips per TipTray	13	24	OL3800-25-513-N
	Standard	25 µL	384 tips per TipTray	13	48	OL3800-26-513-N
	PCR-certified, pre-sterilized	25 µL	384 tips per TipTray	13	24	OL3800-25-713-P
	PCR-certified, pre-sterilized, filter	13 µL	384 tips per TipTray	12	24	OL3800-25-913-F
	Standard	25 µL	Bulk tips	13	8000 tips	OL3800-25-503-B

Note: Tip magazine 384/25 µL (OL3191-116-25) or 16 channel magazine 25 µL/60 µL (OL7001-25-955) can be either filled with CyBio Tips 25 µL bulk (OL3800-25-503-B) and tips from CyBio TipTray 384/25 µL (all qualities) optional using Tip transfer tool (OL3191-350-25).

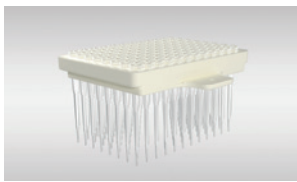

CyBio TipTray 384/10 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	10 µL	384 tips per TipTray	14	24	OL3800-25-512-N
	PCR-certified, pre-sterilized	10 µL	384 tips per TipTray	14	24	OL3800-25-712-P

4.2 Disposable tips for CyBio Well vario

Pipetting tips for CyBio Well vario are available in packaging units (PU) with pre-racked CyBio TipTrays and as bulk tips for Tip magazines (metal).

Tips for CyBio Well vario pipetting head 96/250 μL



Pipetting tips for 96 channel pipetting

CyBio TipTray 96/250 μL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	250 μL	96 DW tips per TipTray	4	18	OL3800-25-559-N
	PCR-certified, pre-sterilized	250 μL	96 DW tips per TipTray	4	18	OL3800-25-759-P
	Standard	250 μL	Bulk DW tips	4	2000 tips	OL3800-25-508-B



Note: Tip magazine 96/250 μL (OL3391-112-25) or 8 channel magazine (OL7001-25-900) can be either filled with CyBio Tips 250 μL DW or bulk (OL3800-25-508-B) and tips from CyBio TipTray 96/250 μL (all qualities) optional using Tip transfer tool (OL3396-352-25).

Tips for CyBio Well vario pipetting head 96/60 μL

Pipetting tips for 96 channel pipetting

CyBio TipTray 96/60 μL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	60 μL	96 tips per TipTray	9	24	OL3800-25-535-N
	PCR-certified, pre-sterilized	60 μL	96 tips per TipTray	9	24	OL3800-25-735-P
	PCR-certified, pre-sterilized, filter	18 μL	96 tips per TipTray	7	24	OL3800-25-935-F
		45 μL	96 tips per TipTray	8	24	OL3800-25-936-F
	Standard	60 μL	Bulk tips	9	8000 tips	OL3800-25-505-B

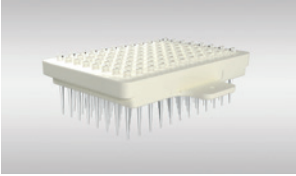

Note: Tip magazine 96/60 μL (OL3384-25-717) or 8 channel magazine 25 μL /60 μL (OL7001-25-940) can be either filled with CyBio Tips 60 μL bulk (OL3800-25-505-B) and tips from CyBio TipTray 96/60 μL (all qualities) optional using Tip transfer tool (OL3397-25-350) except for CyBio TipTray 96/60 μL , PCR-certified, pre-sterilized, filter 45 μL net (OL3800-25-936-F).

CyBio TipTray 96/25 μL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	25 μL	96 tips per TipTray	13	24	OL3800-25-533-N
	PCR-certified, pre-sterilized	25 μL	96 tips per TipTray	13	24	OL3800-25-733-P
	PCR-certified, pre-sterilized, filter	13 μL	96 tips per TipTray	12	24	OL3800-25-933-F
	Standard	25 μL	Bulk tips	13	8000 tips	OL3800-25-503-B

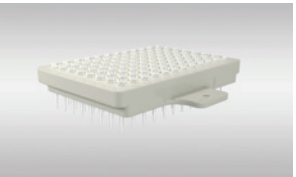
Note: Tip magazine 96/25 μL (OL3397-25-354) or 8 channel magazine 25 μL /60 μL (OL7001-25-940) can be either filled with CyBio Tips 25 μL bulk (OL3800-25-503-B) and tips from CyBio TipTray 96/25 μL (all qualities) optional using Tip transfer tool (OL3397-25-350).

Tips for CyBio Well vario pipetting head 96/25 µL

Pipetting tips for 96 channel pipetting

CyBio TipTray 96/25 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	25 µL	96 tips per TipTray	13	24	OL3800-25-533-N
	PCR-certified, pre-sterilized	25 µL	96 tips per TipTray	13	24	OL3800-25-733-P
	PCR-certified, pre-sterilized, filter	13 µL	96 tips per TipTray	12	24	OL3800-25-933-F
	Standard	25 µL	Bulk tips	13	8000 tips	OL3800-25-503-B

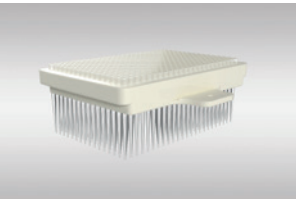

Note: Tip magazine 96/25 µL (OL3397-25-354) or 8 channel magazine 25 µL/60 µL (OL7001-25-940) can be either filled with CyBio Tips 25 µL bulk (OL3800-25-503-B) and tips from CyBio TipTray 96/25 µL (all qualities) optional using Tip transfer tool (OL3397-25-350).

CyBio TipTray 96/10 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	10 µL	96 tips per TipTray	14	24	OL3800-25-532-N
	PCR-certified, pre-sterilized	10 µL	96 tips per TipTray	14	24	OL3800-25-732-P



Note: All qualities from CyBio TipTray 96/10 µL can be transferred in Tip magazine 96/96-1536/10 µL (OL3397-25-351) optional using Tip transfer tool (OL3397-25-350).

Tips for CyBio Well vario pipetting head 384/60 µL

Pipetting tips for 384 channel pipetting

CyBio TipTray 384/60 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	60 µL	384 tips per TipTray	9	24	OL3800-25-515-N
	PCR-certified, pre-sterilized	60 µL	384 tips per TipTray	9	24	OL3800-25-715-P
	PCR-certified, pre-sterilized, filter	18 µL	384 tips per TipTray	7	24	OL3800-25-915-F
		45 µL	384 tips per TipTray	8	24	OL3800-25-916-F
	Standard	60 µL	Bulk tips	9	8000 tips	OL3800-25-505-B



Note: Tip magazine 384/60 µL (OL3384-25-617) or 16 channel magazine 25 µL/60 µL (OL7001-25-955) can be either filled with CyBio Tips 60 µL bulk (OL3800-25-505-B) and tips from CyBio TipTray 384/60 µL (all qualities) optional using Tip transfer tool (OL3191-350-25) except for CyBio TipTray 384/60 µL, PCR-certified, pre-sterilized, filter 45 µL net (OL3800-25-916-F).

CyBio TipTray 384/25 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	25 µL	384 tips per TipTray	13	24	OL3800-25-513-N
	Standard	25 µL	384 tips per TipTray	13	48	OL3800-26-513-N
	PCR-certified, pre-sterilized	25 µL	384 tips per TipTray	13	24	OL3800-25-713-P
	PCR-certified, pre-sterilized, filter	13 µL	384 tips per TipTray	12	24	OL3800-25-913-F
		Standard	25 µL	Bulk tips	13	8000 tips

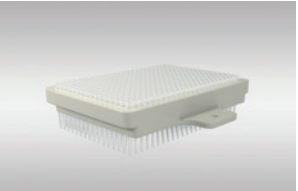
Note: Tip magazine 384/25 µL (OL3191-116-25) or 16 channel magazine 25 µL/60 µL (OL7001-25-955) can be either filled with CyBio Tips 25 µL bulk (OL3800-25-503-B) and tips from CyBio TipTray 384/25 µL (all qualities) optional using Tip transfer tool (OL3191-350-25).

Tips for CyBio Well vario pipetting head 384/25 μL

Pipetting tips for 384 channel pipetting

CyBio TipTray 384/25 μL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	25 μL	384 tips per TipTray	13	24	OL3800-25-513-N
	Standard	25 μL	384 tips per TipTray	13	48	OL3800-26-513-N
	PCR-certified, pre-sterilized	25 μL	384 tips per TipTray	13	24	OL3800-25-713-P
	PCR-certified, pre-sterilized, filter	13 μL	384 tips per TipTray	12	24	OL3800-25-913-F
	Standard	25 μL	Bulk tips	13	8000 tips	OL3800-25-503-B


Note: Tip magazine 384/25 μL (OL3191-116-25) or 16 channel magazine 25 μL /60 μL (OL7001-25-955) can be either filled with CyBio Tips 25 μL bulk (OL3800-25-503-B) and tips from CyBio TipTray 384/25 μL (all qualities) optional using Tip transfer tool (OL3191-350-25).

CyBio TipTray 384/10 μL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	10 μL	384 tips per TipTray	14	24	OL3800-25-512-N
	PCR-certified, pre-sterilized	10 μL	384 tips per TipTray	14	24	OL3800-25-712-P

Note: All qualities from CyBio TipTray 384/10 μL can be transferred in Tip magazine 384/384-1536/10 μL (OL3191-118-25) optional using Tip transfer tool (OL3191-350-25).

Tips for CyBio Well vario pipetting head 1536/8 μL

Pipetting tips for 1536 channel pipetting

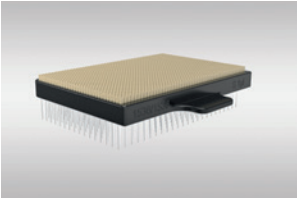
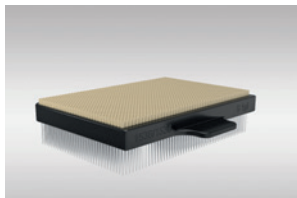
CyBio TipTray 1536/8 μL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	8 μL	1536 tips per TipTray	15	6	OL5021-25-511

4.3 Non-disposable tips for CyBio Well vario

Pipetting tips and capillaries for CyBio Well vario are available in packing units (PU) with pre-racked magazines.

Fixed Tip Magazine for CyBio Well vario pipetting head 1536/8 μL

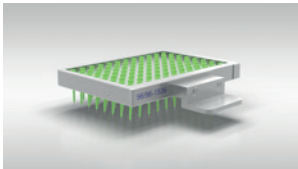
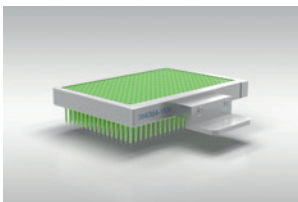
Pipetting tips for 384 and 1536 channel pipetting

Fixed Tip Magazine	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Stainless Steel	1 μL	384 tips per Tip Magazine	16	1	OL5021-25-239
	Ceramic	1 μL	384 tips per Tip Magazine	17	1	OL5021-25-236
	Stainless Steel	1 μL	1536 tips per Tip Magazine	16	1	OL5021-25-289
	Ceramic	1 μL	1536 tips per Tip Magazine	17	1	OL5021-25-286

Note: Replacement tips for 384 and 1536 tip magazine: OL5021-25-202 Fixed Tips 1536/1 μL Steel and OL5021-25-206 Fixed Tips 1536/1 μL Ceramic.

Ceramic capillary magazine for CyBio Well vario capillary head

Capillaries for 96, 384 channel format

Capillary Magazine	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Ceramic	250 nL	96 tips per Tip Magazine	18	1	OL3387-25-330
	Ceramic	100 nL	96 tips per Tip Magazine	19	1	OL3387-25-325
	Ceramic	50 nL	96 tips per Tip Magazine	20	1	OL3387-25-320
	Ceramic	250 nL	384 tips per Tip Magazine	18	1	OL3387-25-310
	Ceramic	100 nL	384 tips per Tip Magazine	19	1	OL3387-25-305
	Ceramic	50 nL	384 tips per Tip Magazine	20	1	OL3387-25-300

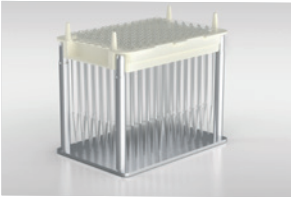
Note: Replacement capillaries for 96 and 384 capillary magazine: OL3387-11-102 Replacement Ceramic Capillaries; 250 nL, OL3387-11-101 Replacement Ceramic Capillaries; 100 nL and OL3387-11-100 Replacement Ceramic Capillaries; 50 nL; Capillary adjustment magazine 96 (OL3387-25-129) or Capillary adjustment magazine 384 (OL3387-25-119) as a support tool for height adjustment available.

4.4 Disposable tips for CyBio FeliX

Pipetting tips for CyBio FeliX are available in packaging units (PU) with pre-racked CyBio RoboTipTrays, CyBio TipRacks and CyBio TipBoxes.


Tips for CyBio FeliX Head R 96/1000 μ L

Pipetting tips for 96 channel pipetting

CyBio RoboTipTray 96/1000 μ L	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	1000 μ L	96 tips per RoboTipTray	2	16	OL3810-25-871-N
	PCR certified, pre-sterilized	1000 μ L	96 tips per RoboTipTray	2	16	OL3810-25-874-P
	PCR-certified, pre-sterilized, filter	950 μ L	96 tips per RoboTipTray	1	16	OL3810-25-879-F


Note: Usable with Support 97 mm (OL3317-11-105)

Pipetting tips for individual 1-96 channel pipetting

CyBio RoboTipTray 1-96/1000 μ L	Quality	Net volume	Format	Reference	Trays/PU	Order number
	PCR-certified	1000 μ L	96 tips per RoboTipTray	2	24	OL3812-25-872
	PCR-certified, pre-sterilized	1000 μ L	96 tips per RoboTipTray	2	24	OL3812-25-873
	PCR-certified, pre-sterilized, filter	950 μ L	96 tips per RoboTipTray	1	24	OL3812-25-878


Note: CyBio RoboTipTray 1-96/1000 μ L (OL3810-24-023) can be either filled with tips from CyBio TipRack 96/1000 μ L (all qualities) or with tips out of the CyBio RoboTipTray 96/1000 μ L (all qualities) optional using Tip transfer tool (OL3396-352-25); usable with Support 97 mm (OL3317-11-105).

Pipetting tips for single well, 8 channel column and 12 channel row pipetting using liquid handling adapters

CyBio TipRack 96/1000 μ L	Quality	Net volume	Format	Reference	Racks/PU	Order number
	PCR-certified	1000 μ L	96 tips per TipRack	2	24	OL3812-25-872
	PCR-certified, pre-sterilized	1000 μ L	96 tips per TipRack	2	24	OL3812-25-873
	PCR-certified, pre-sterilized, filter	950 μ L	96 tips per TipRack	1	24	OL3812-25-878


Note: TipRack 96/1000 μ L (OL3317-11-140) can be either filled with tips from CyBio TipRack 96/1000 μ L (all qualities) or with tips out of the CyBio RoboTipTray 96/1000 μ L (all qualities) optional using Tip transfer tool (OL3396-352-25).

Pipetting tips for single well, 8 channel column and 12 channel row pipetting using liquid handling adapters

CyBio TipBox 96/1000 μ L; SCR	Quality	Net volume	Format	Reference	Boxes/PU	Order number
	PCR-certified, pre-sterilized, filter	950 μ L	96 tips per TipBox	1	10	OL5022-25-579-F



Note: No individual tip pick up possible

Pipetting tips for 96 channel pipetting

CyBio RoboTipTray 96/250 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	250 µL	96 DW tips per RoboTipTray	4	48	OL3810-26-661
	PCR-certified, pre-sterilized	250 µL	96 DW tips per RoboTipTray	4	12	OL3810-25-664
	PCR-certified, pre-sterilized, filter	250 µL	96 DW tips per RoboTipTray	3	12	OL3810-25-669

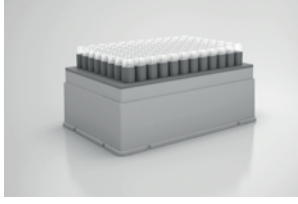
Note: Usable with Support 97 mm (OL3317-11-105) or Support 70 mm (OL3317-11-110)

Pipetting tips for individual 1-96 channel pipetting

CyBio RoboTipTray 1-96/250 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
						
	Standard	250 µL	Bulk DW tips	4	2000 tips	OL3800-25-508-B


Note: CyBio RoboTipTray 1-96/250 µL (OL3810-24-003) can be manually filled with CyBio Tips 250 µL DW; bulk (OL3800-25-508-B); usable with Support 97 mm (OL3317-11-105) or Support 70 mm (OL3317-11-110).

Pipetting tips for single well, 8 channel column and 12 channel row pipetting using liquid handling adapters

CyBio RoboTipTray 96/250 µL	Quality	Net volume	Format	Reference	Boxes/PU	Order number
	PCR-certified	250 µL	96 tips per TipBox	6	10	OL3811-25-537-N
	PCR-certified, pre-sterilized	250 µL	96 tips per TipBox	6	10	OL3811-25-637-S
	PCR-certified, pre-sterilized, filter	150 µL	96 tips per TipBox	5	10	OL3811-25-939-F



Tips for CyBio FeliX Head R 96/250 µL

Pipetting tips for 96 channel pipetting

CyBio RoboTipTray 96/250 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	250 µL	96 DW tips per RoboTipTray	4	48	OL3810-26-661
	PCR-certified, pre-sterilized	250 µL	96 DW tips per RoboTipTray	4	12	OL3810-25-664
	PCR-certified, pre-sterilized, filter	250 µL	96 DW tips per RoboTipTray	3	12	OL3810-25-669


Note: Usable with Support 97 mm (OL3317-11-105) or Support 70 mm (OL3317-11-110)

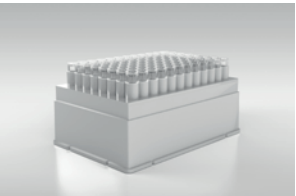
Pipetting tips for individual 1-96 channel pipetting

CyBio RoboTipTray 1-96/250 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
						
	Standard	250 µL	Bulk DW tips	4	2000 tips	OL3800-25-508-B

Note: CyBio RoboTipTray 1-96/250 µL (OL3810-24-003) can be manually filled with CyBio Tips 250 µL DW; bulk (OL3800-25-508-B); usable with Support 97 mm (OL3317-11-105) or Support 70 mm (OL3317-11-110).


Pipetting tips for single well, 8 channel column and 12 channel row column pipetting using liquid handling adapters

TipBox 96/250 µL	Quality	Net volume	Format	Reference	Boxes/PU	Order number
	PCR-certified	250 µL	96 tips per TipBox	6	10	OL3811-25-537-N
	PCR-certified, pre-sterilized	250 µL	96 tips per TipBox	6	10	OL3811-25-637-S
	PCR-certified, pre-sterilized, filter	150 µL	96 tips per TipBox	5	10	OL3811-25-939-F

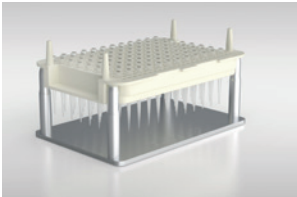
TipBox 96/50 µL	Quality	Net volume	Format	Reference	Boxes/PU	Order number
	PCR-certified	50 µL	96 tips per TipBox	11	10	OL3811-25-535-N
	PCR-certified, pre-sterilized	50 µL	96 tips per TipBox	11	10	OL3811-25-635-S
	PCR-certified, pre-sterilized, filter	40 µL	96 tips per TipBox	10	10	OL3811-25-935-F

Tips for CyBio Felix Head R 96/60 µL

Pipetting tips for 96 channel pipetting

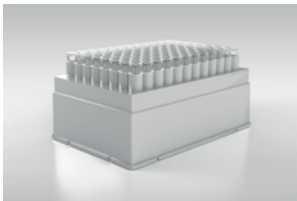
CyBio RoboTipTray 96/60 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	60 µL	96 tips per RoboTipTray	9	12	OL3810-25-441
	PCR-certified, pre-sterilized	60 µL	96 tips per RoboTipTray	9	12	OL3810-25-444
	PCR-certified, pre-sterilized, filter	45 µL	96 tips per RoboTipTray	8	12	OL3810-25-446

Note: Usable with Support 97 mm (OL3317-11-105), Support 70 mm (OL3317-11-110) or Support 49 mm (OL3317-11-100)

CyBio RoboTipTray 96/40 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	40 µL	96 tips per RoboTipTray	14	12	OL3810-25-431
	PCR-certified, pre-sterilized	40 µL	96 tips per RoboTipTray	14	12	OL3810-25-434


Note: Usable with Support 97 mm (OL3317-11-105), Support 70 mm (OL3317-11-110) or Support 49 mm (OL3317-11-100)

Pipetting tips for single well, 8 channel column and 12 channel row pipetting using liquid handling adapters

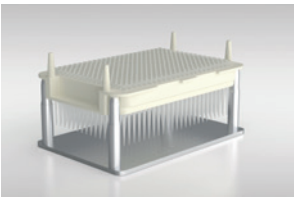
TipBox 96/50 µL	Quality	Net volume	Format	Reference	Boxes/PU	Order number
	PCR-certified	50 µL	96 tips per TipBox	11	10	OL3811-25-535-N
	PCR-certified, pre-sterilized	50 µL	96 tips per TipBox	11	10	OL3811-25-635-S
	PCR-certified, pre-sterilized, filter	40 µL	96 tips per TipBox	10	10	OL3811-25-935-F

Tips for CyBio FeliX Head R 384/60 µL

Pipetting tips for 384 channel pipetting


CyBio RoboTipTray 384/60 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	60 µL	384 tips per RoboTipTray	9	12	OL3810-25-241
	PCR-certified, pre-sterilized	60 µL	384 tips per RoboTipTray	9	12	OL3810-25-244
	PCR-certified, pre-sterilized, filter	18 µL	384 tips per RoboTipTray	7	12	OL3810-25-249
		45 µL	384 tips per RoboTipTray	8	12	OL3810-25-246

Note: Usable with Support 97 mm (OL3317-11-105), Support 70 mm (OL3317-11-110) or Support 49 mm (OL3317-11-100)


CyBio RoboTipTray 384/40 µL	Quality	Net volume	Format	Reference	Trays/PU	Order number
	Standard	40 µL	384 tips per RoboTipTray	13	12	OL3810-25-231
	PCR-certified, pre-sterilized	40 µL	384 tips per RoboTipTray	13	12	OL3810-25-234

Note: Usable with Support 97 mm (OL3317-11-105), Support 70 mm (OL3317-11-110) or Support 49 mm (OL3317-11-100)

Pipetting tips for single well and 16 channel column pipetting using liquid handling adapters


CyBio TipBox 192/60 µL, columns	Quality	Net volume	Format	Reference	Boxes/PU	Order number
	Standard for column (16 channel)	50 µL	192 tips per TipBox	10	10	OL0008-25-575-N

Pipetting tips for single well and 24 channel row pipetting using liquid handling adapters


CyBio TipBox 192/60 µL, rows	Quality	Net volume	Format	Reference	Boxes/PU	Order number
	Standard for row (24 channel)	50 µL	192 tips per TipBox	10	10	OL0008-25-585-N

Tips for CyBio FeliX CHOICE Head


Pipetting tips for high volume single well, 8 channel column and 12 channel row pipetting using CHOICE adapters for 10 µL - 1000 µL

CyBio TipRack 96/1000 µL	Quality	Net volume	Format	Reference	Racks/PU	Order number
	PCR-certified	1000 µL	96 tips per TipRack	2	16	OL3812-25-872
	PCR-certified, pre-sterilized	1000 µL	96 tips per TipRack	2	16	OL3812-25-873
	PCR-certified, pre-sterilized, filter	950 µL	96 tips per TipRack	1	16	OL3812-25-878

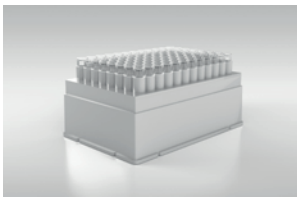
Note: TipRack 96/1000 µL (OL3317-11-140) can be either filled with tips from CyBio TipRack 96/1000 µL (all qualities) or with tips out of the CyBio RoboTipTray 96/1000 µL (all qualities) optional using Tip transfer tool (OL3396-352-25).

CyBio TipBox 96/1000 µL; SCR	Quality	Net volume	Format	Reference	Boxes/PU	Order number
	PCR-certified, pre-sterilized, filter	950 µL	96 tips per TipBox	1	10	OL5022-25-579-F


Note: No individual tip pick up possible

TipBox 96/250 µL	Quality	Net volume	Format	Reference	Boxes/PU	Order number
	PCR-certified	250 µL	96 tips per TipBox	6	10	OL3811-25-537-N
	PCR-certified, pre-sterilized	250 µL	96 tips per TipBox	6	10	OL3811-25-637-S
	PCR-certified, pre-sterilized, filter	150 µL	96 tips per TipBox	5	10	OL3811-25-939-F


Pipetting tips for low volume single well, 8 channel column and 12 channel row pipetting using CHOICE adapters for 1 µL - 50 µL

TipBox 96/50 µL	Quality	Net volume	Format	Reference	Boxes/PU	Order number
	PCR-certified	50 µL	96 tips per TipBox	11	10	OL3811-25-535-N
	PCR-certified, pre-sterilized	50 µL	96 tips per TipBox	11	10	OL3811-25-635-S
	PCR-certified, pre-sterilized, filter	40 µL	96 tips per TipBox	10	10	OL3811-25-935-F

Pipetting tips for low volume single well and 16 channel column pipetting using CHOICE adapters for 1 µL - 50 µL


CyBio TipBox 192/60 µL, columns	Quality	Net volume	Format	Reference	Boxes/PU	Order number
	Standard for column (16 channel)	50 µL	192 tips per TipBox	10	10	OL0008-25-575-N

Pipetting tips for low volume single well and 24 channel row pipetting using CHOICE adapters for 1 µL - 50 µL

CyBio TipBox 192/60 µL, rows	Quality	Net volume	Format	Reference	Boxes/PU	Order number
	Standard for row (24 channel)	50 µL	192 tips per TipBox	10	10	OL0008-25-585-N


Tips for CyBio FeliX SELECT Head 8/1000 µL

Pipetting tips for individual loading of 1 to 8 tips column wise

CyBio TipBox 96/1000 µL; SCR	Quality	Net volume	Format	Reference	Boxes/PU	Order number
	PCR-certified, pre-sterilized, filter	950 µL	96 tips per TipBox	1	10	OL5022-25-579-F

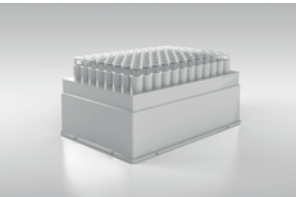
Tips for CyBio FeliX SELECT Head 8/250 µL

Pipetting tips for individual loading of 1 to 8 tips column wise

TipBox 96/250 µL	Quality	Net volume	Format	Reference	Boxes/PU	Order number
	PCR-certified	250 µL	96 tips per TipBox	6	10	OL3811-25-537-N
	PCR-certified, pre-sterilized	250 µL	96 tips per TipBox	6	10	OL3811-25-637-S
	PCR-certified, pre-sterilized, filter	150 µL	96 tips per TipBox	5	10	OL3811-25-939-F

Tips for CyBio FeliX SELECT Head 8/50 µL

Pipetting tips for individual loading of 1 to 8 tips column wise

TipBox 96/50 µL	Quality	Net volume	Format	Reference	Boxes/PU	Order number
	PCR-certified	50 µL	96 tips per TipBox	11	10	OL3811-25-535-N
	PCR-certified, pre-sterilized	50 µL	96 tips per TipBox	11	10	OL3811-25-635-S
	PCR-certified, pre-sterilized, filter	40 µL	96 tips per TipBox	10	10	OL3811-25-935-F

5. Tip quality and certification

Your quality advantage: approved label design and the Certificate of Quality ensure that you can always rely on the consistently high quality of our products.

The pipette tips are manufactured to extremely high quality and purity standards and are designed to meet all specific requirements of your samples. The specified technical data on precision and accuracy of the pipetting systems CyBio Felix, CyBio Well vario, and CyBio SELMA can only be achieved and guaranteed by using the original CyBio TipTrays, CyBio RoboTipTrays, and TipBoxes provided by Analytik Jena as intended. The use of non-specified pipette tips is without guarantee.

All precision specifications are based on the standard absorbance measurement procedure as described in the pipetting head manual and depend on the selected pipetting head, liquid handling adapter, and tip type. For further details see our respective application note „Photometric and Gravimetric Liquid Handling Check Procedure“ on our website

(www.analytik-jena.com) or www.iso.org (ISO 23 7 83-1:2022 / 2:2022 / 3:2022).

A Certificate of Quality for our disposable tips is available on request. Please send the product name, quality info, order number, and lot number of tips to orders@analytik-jena.com.

Furthermore a label is attached on each packaging. We ensure that all necessary information is provided:

- Producer and address
- Product name
- Different quality information (e.g. filter, specially racked)
- Order number (REF)
- Lot number of the tips (LOT)
- Use-by date (YYYY-MM)

Certificate of Quality		analytikjena An Endress+Hauser Company	
Product Information	Produktinformation	Article Number	Artikelnummer
		OL3800-25-913-F	
Product Name	Produktname	CyBio TipTray 389/25 µL, PCR-certified, pre-sterilized, filter	
Lot Number	Ladungsnummer		
Visual and physical inspection	Visuelle und physikalische Inspektion	Product samples were visually and physically inspected in accordance to the current specification.	
Minimizing the risk of transmitting spongiform encephalopathies (TSE)	Minimierung des Risikos zur Übertragung spongiformer Enzephalopathien	The product complies with the requirements of the TSE Note for guidance (EMA/410/01Rev2/October 2003).	
Free of detectable human DNA/DNase/RNase	Frei von nachweisbarem menschlicher DNA/DNase/RNase	The product was tested by quantitative real-time-PCR.	
Detection limits:	Nachweisgrenzen:	hDNA < 1pg DNase < 1 x 10 ³ units RNase < 2 x 10 ³ units	
Pre-Sterilization	Vorsterilisation	The product was irradiated with electron beams (10 MeV) and dosimetrically released based on ANSI/AAMI/ISO 11137 TIR 33 to result in a Sterility Assurance Level (SAL) of at least 10 ⁻⁵ .	
Expiration Date	Ablaufdatum	The expiration date is printed on the product packaging and is valid for products sealed in their original packaging.	

Example of Certificate of Quality

analytikjena An Endress+Hauser Company	
Analytik Jena GmbH+ Co. KG Konrad-Zuse-Str. 1, D-07745 Jena Made in Germany	
CyBio RoboTipTray 96/60 µL	
With Filter, PCR-certified, pre-sterilized, filter, net volume 45 µL	
REF OL3810-25-446	2029-01
LOT P231561-382215-3084	-10°C to +50°C
≤ 85% at +30°C	
For research purposes only, do not use for in vitro diagnostic.	

Example of packaging label



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