

Overview Pipetting Tips for Liquid Handling Instruments

Lab Automation

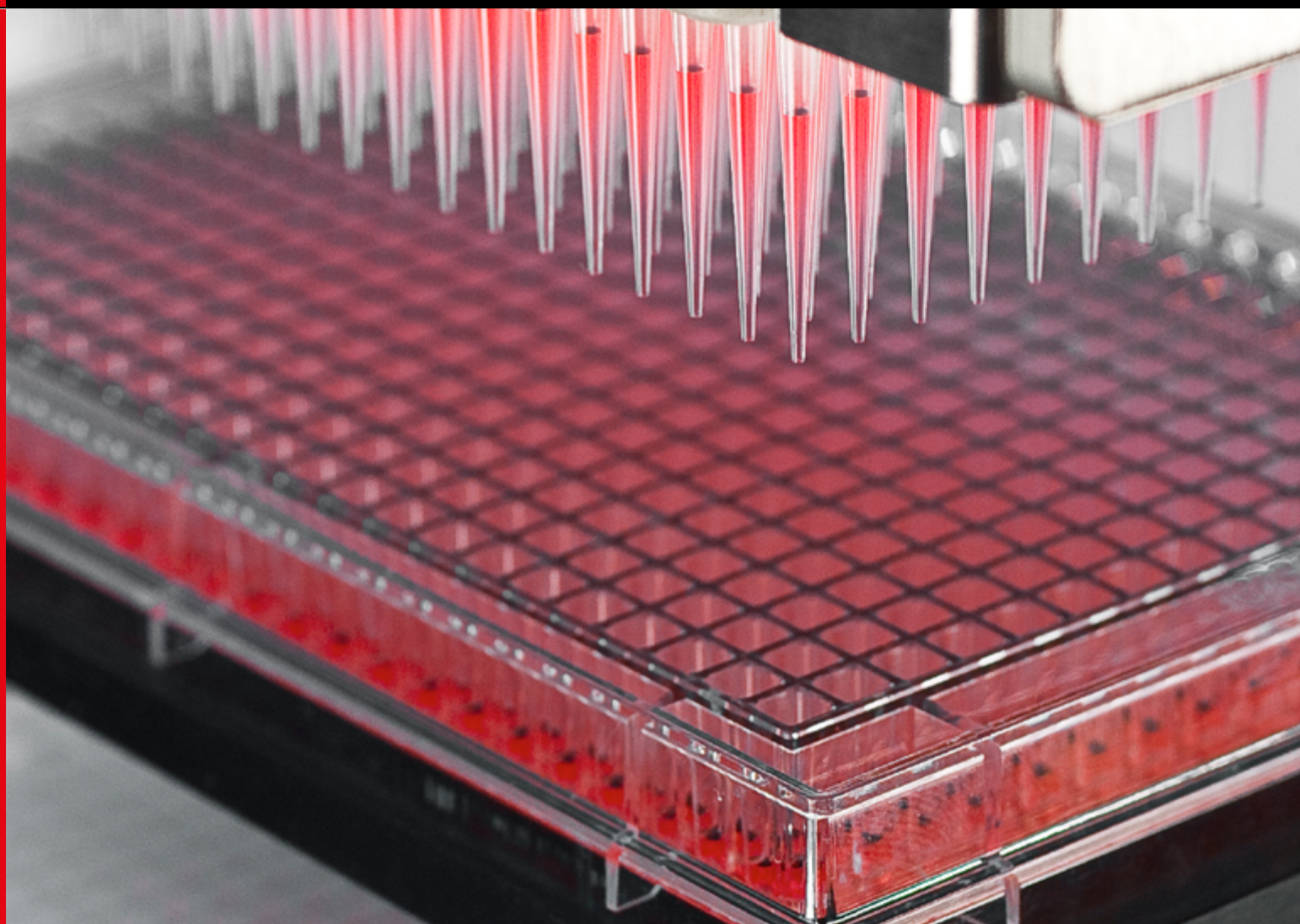
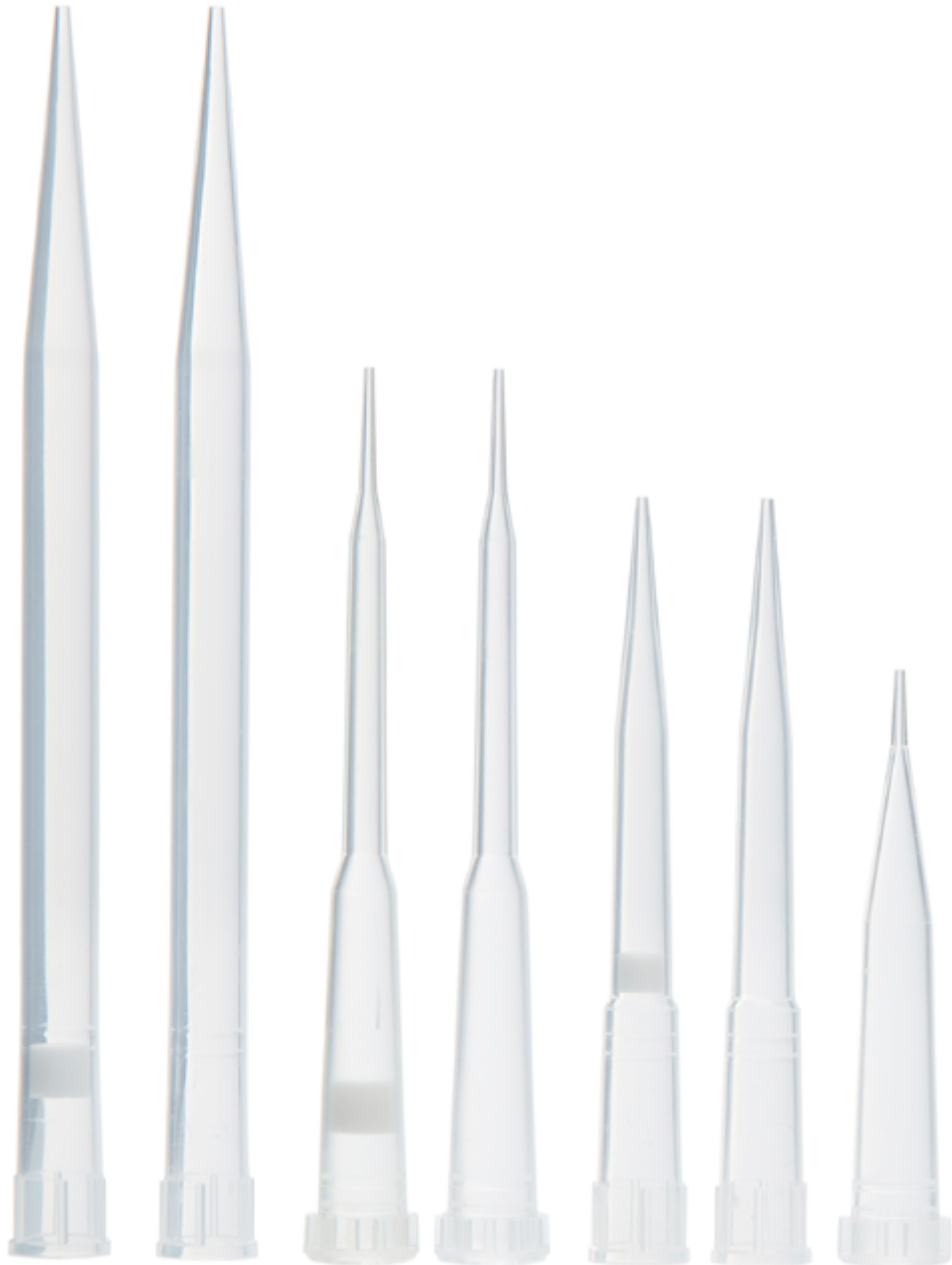


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1. Introduction

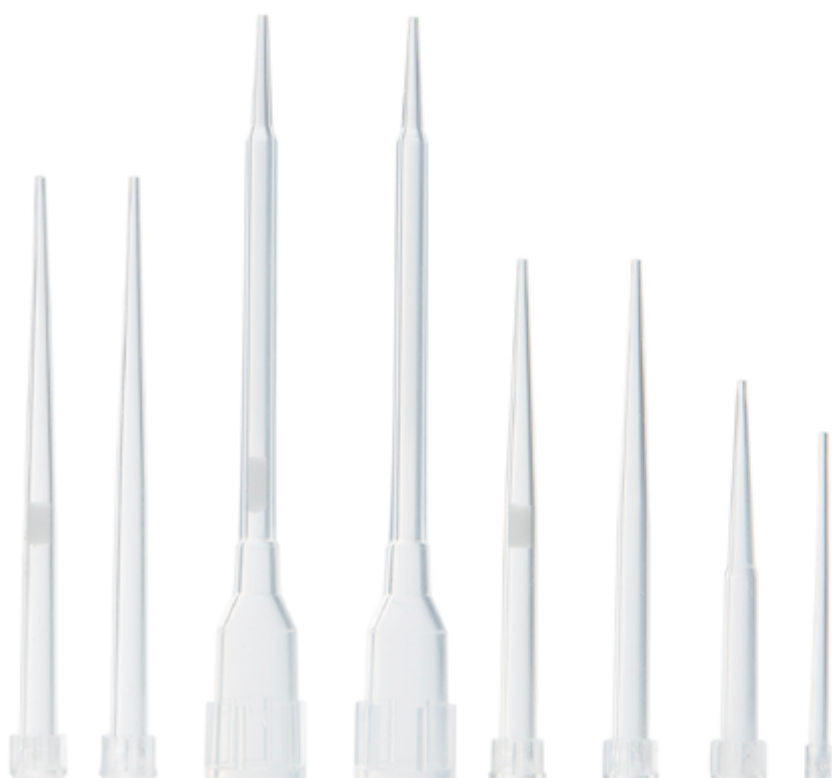
Analytik Jena is working continuously to improve the robustness of your application workflows to keep them reliable and safe.

The design goal for Analytik Jena's CyBio liquid handling instruments is providing the best pipetting results. Since pipetting tips are an integral part of any liquid handling system, we pay great attention to their design as well as their interaction with the machine – therefore we provide both pipetting instruments and pipetting tips out of one hand.

Different applications desire different pipetting and tip sealing technologies. Our unique CyBio Tip Sealing Technology for multichannel pipetting heads in the microplate formats 96, 384 and 1536 – sealing each tip head's flange against an elastomer mat – is the basis for high precision and repeatability. Centering pins guarantee exact positioning of the complete set of tips to the pipetting head and thus to the labware. This reliably enables liquid transfers over a broad volume range and includes labware with small well diameters like 1536-well microplates.

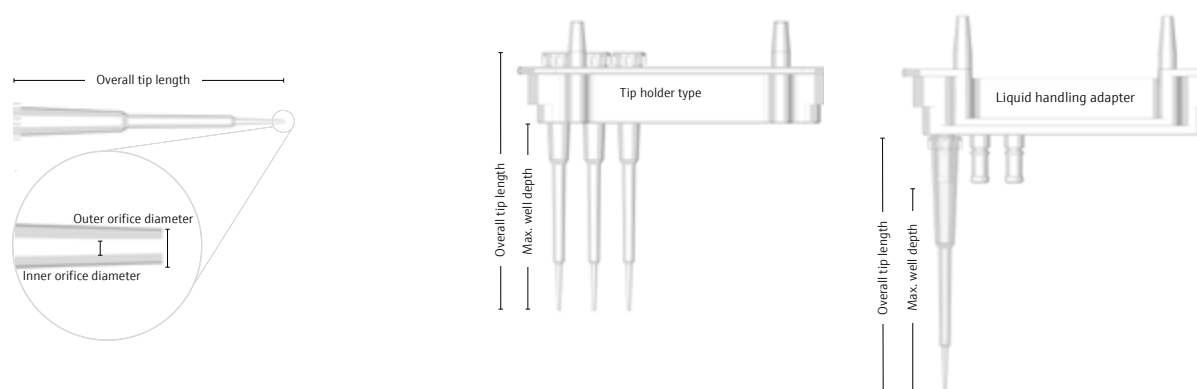
This tip sealing technology plays a major role when using the CyBio TipTrays in the CyBio SELMA and in the CyBio Well vario in 96, 384 and 1536-well microplate formats. Additionally, the CyBio FeliX multichannel heads 96 and 384 benefit from this technology by automatic loading of the respective CyBio RoboTipTrays. CyBio TipTrays as well as CyBio RoboTipTrays are available for different microplate formats, volume ranges and in different tip qualities. For specification of all our multichannel pipetting heads the corresponding standard CyBio TipTrays or CyBio RoboTipTrays are used. The specification data (precision) are published in the respective product brochures.

The CyBio FeliX Liquid Handling Adapter concept was developed to offer our customer additionally the greatest possible format flexibility for single, 8-, 12-, 16- as well as 24- channel transfers. This enables automated tip loading from TipBoxes and TipRacks via pressing them on cones. Thus, users are benefitting from high flexibility with best pipetting performance.



2. Tip Materials and Dimensions

Dimension description:



Disposable tips (CyBio TipTray & 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 type	
								CyBio TipTray/ Magazine	CyBio RoboTipTray
1/2*	10 - 1000	PP	95.6	1.22	0.81	74.6	96	x	x
3/4*	5 - 250	PP	68	0.8	0.4	49.5	96	x	x
7	5 - 250	PP	45.35	0.8	0.4	26.9	96	x	-
8/9*	1.0 - 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	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	0.5 - 8	PP	27	0.75	0.4	14	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]	Tip holder format	Tip holder type	
								CyBio TipRack	CyBio TipBox
1/2*	10 - 1000	PP	95.6	1.22	0.81	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	1.0 - 50	PP	46	0.7	0.4	38	1/ 16/ 24	-	x
10/11*	1.0 - 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** [μ L]	Material	Overall tip length** [mm]	Outer orifice diameter** [mm]	Inner orifice diameter** [mm]	Max. well depth** [mm]	Tip holder format	Tip holder type	
								CyBio Fixed Tip Magazine	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	-
18	0.5 - 8	Glas (coated)	27	0.612	0.35	14	1536	x	-

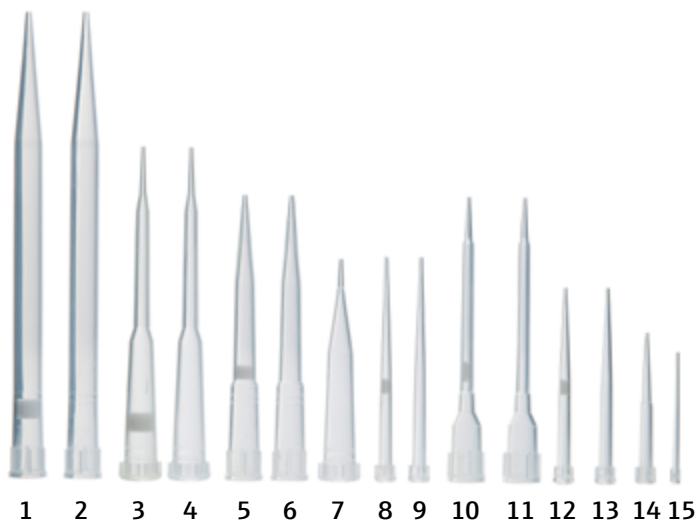
* = equal tip type

** = all values without indicating tolerances

PP = Polypropylene

Characteristics tips

Disposables tips***



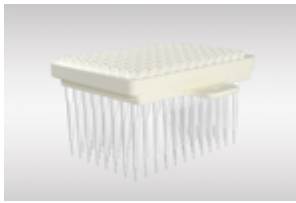
Non-disposables tips***



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

3. Product Overview

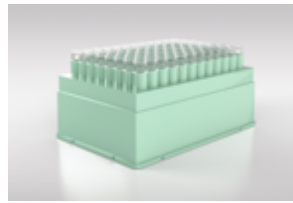
CyBio TipTray 96 1000/250/60/25/10 μL



For highly parallel pipetting in 96-well format

- Usage for CyBio SELMA and CyBio Well vario

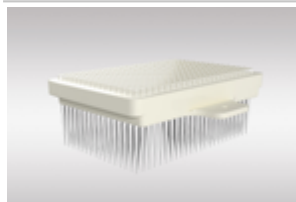
CyBio TipBox 96 250/50 μL



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

- Usage for CyBio FeliX

CyBio TipTray 384 60/25/10 μL



For highly parallel pipetting in 384-well format

- Usage for CyBio SELMA and CyBio Well vario

CyBio TipBox 192 60 μL r/c



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

- Usage for CyBio FeliX

CyBio Tip Magazine 1536 8 μL



For highly parallel pipetting in 1536-well format

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

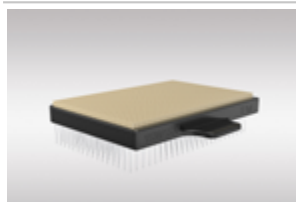
CyBio RoboTipTray 384 60/40 μL



For highly parallel pipetting in 384-well format

- Usage for CyBio FeliX

Fixed Tip Magazine 1536/384 1/8 μL



For highly parallel pipetting in 384- and 1536-well format

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

CyBio TipRack 96 1000 μL



For single channel, 8-channel column and 12-channel row pipetting
For 1000 μL tips from CyBio TipRack 96/1000 μL (blister) transferred in TipRack 96/1000 μL (holder)

- Usage for CyBio FeliX

CyBio RoboTipTray 96 1000/250/60/40 μL



For highly parallel pipetting in 96-well format

- Usage for CyBio FeliX

CyBio RoboTipTray 1-96 1000 μL



For highly parallel pipetting in 96-well format, variable filled with 1-96 tips
For 1000 μL tips from CyBio TipRack 96/1000 μL (blister) transferred in RoboTipTray 1-96/1000 μL (holder)

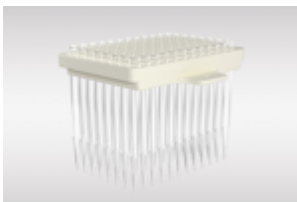
- Usage for CyBio FeliX

4.1. Disposable Consumables for CyBio SELMA

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




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
	PCR-certified	1000 μL	96 tips per TipTray	2	16	OL5022-25-371
	PCR-certified and pre-sterilized	1000 μL	96 tips per TipTray	2	16	OL5022-25-374
	With filter, PCR-certified and pre-sterilized	950 μL	96 tips per TipTray	1	16	OL5022-25-379

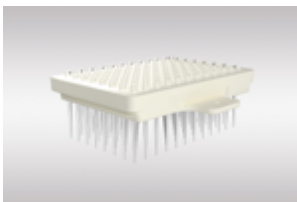

Tips for CyBio SELMA 96/250 μL

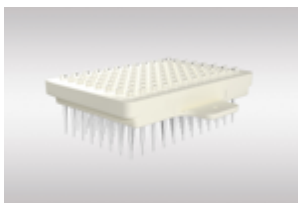

Pipetting tips for 96-channel pipetting and serial dilution using 8-channel magazine for CyBio SELMA 96/250 μL

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
	Standard	250 μL	96 DW tips per TipTray	4	36	OL3800-26-559-N
	PCR-certified and pre-sterilized	250 μL	96 DW tips per TipTray	4	18	OL3800-25-759-P
	With filter, PCR-certified and pre-sterilized	250 μL	96 DW tips per TipTray	3	18	OL3800-25-959-F
	Standard	250 μL	96 SW tips per TipTray	7	24	OL3800-25-557-N
 	PCR-certified and pre-sterilized	250 μL	96 SW tips per TipTray	7	24	OL3800-25-757-P
	Standard	250 μL	Bulk DW tips	4	2000 tips	OL3800-25-508-B
	Standard	250 μL	Bulk SW tips	7	2500 tips	OL3800-25-507-B

Tips for CyBio SELMA 96/60 μL

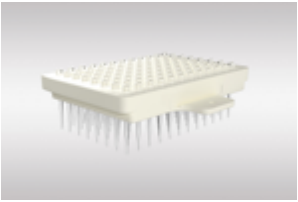

Pipetting tips for 96-channel pipetting and serial dilution using 8-channel magazine for CyBio SELMA 96/60 μL



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 and pre-sterilized	60 μL	96 tips per TipTray	9	24	OL3800-25-735-P
	With filter, PCR-certified and pre-sterilized	18 μL	96 tips per TipTray	8	24	OL3800-25-935-F
	Standard	60 μL	Bulk tips	9	8000 tips	OL3800-25-505-B

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 and pre-sterilized	25 µL	96 tips per TipTray	13	24	OL3800-25-733-P
	With filter, PCR-certified and pre-sterilized	13 µL	96 tips per TipTray	12	24	OL3800-25-933-F
	Standard	25 µL	Bulk tips	13	8000 tips	OL3800-25-503-B

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

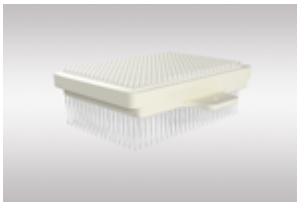

CyBio TipTray 96/25 µL	Quality	Net Volume	Format	Reference	Trays/PU	Order Number
	Standard	25 µL	96 tips per TipTray	13	24	OL3800-25-533-N
	PCR-certified and pre-sterilized	25 µL	96 tips per TipTray	13	24	OL3800-25-733-P
	With filter, PCR-certified and pre-sterilized	13 µL	96 tips per TipTray	12	24	OL3800-25-933-F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

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 and pre-sterilized	10 µL	96 tips per TipTray	14	24	OL3800-25-732-P
	Standard	10 µL	Bulk tips	14	5000 tips	OL3800-25-501-B

Tips for CyBio SELMA 384/60 µL

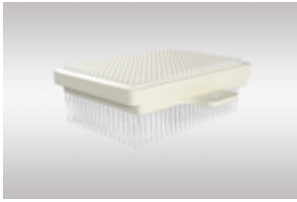

Pipetting tips for 384-channel pipetting and serial dilution using 16-channel magazine for CyBio SELMA 384/60 µL



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 and pre-sterilized	60 µL	384 tips per TipTray	9	24	OL3800-25-715-P
	With filter, PCR-certified and pre-sterilized	18 µL	384 tips per TipTray	8	24	OL3800-25-915-F
	Standard	60 µL	Bulk tips	9	8000 tips	OL3800-25-505-B

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

Tips for CyBio SELMA 384/25 μ L

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

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

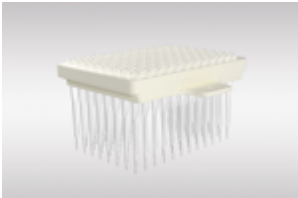

CyBio TipTray 384/10 μ L	Quality	Net Volume	Format	Reference	Trays/PU	Order Number
	Standard	10 μ L	384 tips per TipTray	14	24	OL3800-25-512-N
	PCR-certified and pre-sterilized	10 μ L	384 tips per TipTray	14	24	OL3800-25-712-P
	Standard	10 μ L	Bulk tips	14	5000 tips	OL3800-25-501-B

4.2. Disposable Consumables for CyBio Well vario

Pipetting tips for CyBio Well vario are available in packaging units (PU) with pre-racked CyBio TipTrays.

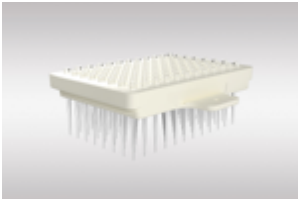

Tips for CyBio Well vario pipetting head 96/250 μL

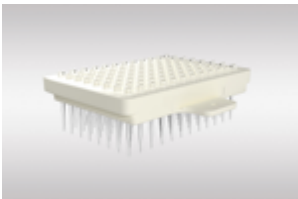
Pipetting tips for 96-channel pipetting

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
	Standard	250 μL	96 DW tips per TipTray	4	36	OL3800-26-559-N
	PCR-certified and pre-sterilized	250 μL	96 DW tips per TipTray	4	18	OL3800-25-759-P
	With filter, PCR-certified and pre-sterilized	250 μL	96 DW tips per TipTray	3	18	OL3800-25-959-F
	Standard	250 μL	96 SW tips per TipTray	7	24	OL3800-25-557-N
	PCR-certified and pre-sterilized	250 μL	96 SW tips per TipTray	7	24	OL3800-25-757-P
	Standard	250 μL	Bulk DW tips	4	2000 tips	OL3800-25-508-B
	Standard	250 μL	Bulk SW tips	7	2500 tips	OL3800-25-507-B

Tips for CyBio Well vario pipetting head 96/60 μL

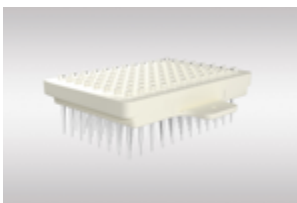

Pipetting tips for 96-channel pipetting



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 and pre-sterilized	60 μL	96 tips per TipTray	9	24	OL3800-25-735-P
	With filter, PCR-certified and pre-sterilized	18 μL	96 tips per TipTray	8	24	OL3800-25-935-F
	Standard	60 μL	Bulk tips	9	8000 tips	OL3800-25-505-B

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 and pre-sterilized	25 μL	96 tips per TipTray	13	24	OL3800-25-733-P
	With filter, PCR-certified and pre-sterilized	13 μL	96 tips per TipTray	12	24	OL3800-25-933-F
	Standard	25 μL	Bulk tips	13	8000 tips	OL3800-25-503-B

Tips for CyBio Well vario pipetting head 96/25 µL

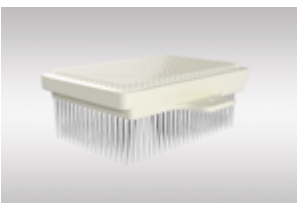

Pipetting tips for 96-channel pipetting



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 and pre-sterilized	25 µL	96 tips per TipTray	13	24	OL3800-25-733-P
	With filter, PCR-certified and pre-sterilized	13 µL	96 tips per TipTray	12	24	OL3800-25-933-F
	Standard	25 µL	Bulk tips	13	8000 tips	OL3800-25-503-B

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 and pre-sterilized	10 µL	96 tips per TipTray	14	24	OL3800-25-732-P
	Standard	10 µL	Bulk tips	14	5000 tips	OL3800-25-501-B

Tips for CyBio Well vario pipetting head 384/60 µL

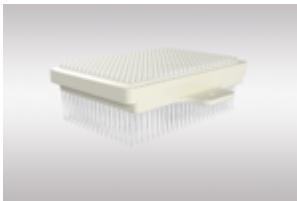



Pipetting tips for 384-channel pipetting

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 and pre-sterilized	60 µL	384 tips per TipTray	9	24	OL3800-25-715-P
	With filter, PCR-certified and pre-sterilized	18 µL	384 tips per TipTray	8	24	OL3800-25-915-F
	Standard	60 µL	Bulk tips	9	8000 tips	OL3800-25-505-B

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 and pre-sterilized	25 µL	384 tips per TipTray	13	24	OL3800-25-713-P
	With filter, PCR-certified and pre-sterilized	13 µL	384 tips per TipTray	12	24	OL3800-25-913-F
	Standard	25 µL	Bulk tips	13	8000 tips	OL3800-25-503-B


Tips for CyBio Well vario pipetting head 384/25 μ L

Pipetting tips for 384-channel pipetting

CyBio TipTray 384/25 μ L	Quality	Net Volume	Format	Reference	Trays/PU	Order Number
	Standard	25 μ L	384 tips per TipTray	13	24	OL3800-25-513-N
	Standard	25 μ L	384 tips per TipTray	13	48	OL3800-26-513-N
	PCR-certified and pre-sterilized	25 μ L	384 tips per TipTray	13	24	OL3800-25-713-P
	With filter, PCR-certified and pre-sterilized	13 μ L	384 tips per TipTray	12	24	OL3800-25-913-F
	Standard	25 μ L	Bulk tips	13	8000 tips	OL3800-25-503-B
CyBio TipTray 384/10 μ L	Quality	Net Volume	Format	Reference	Trays/PU	Order Number
	Standard	10 μ L	384 tips per TipTray	14	24	OL3800-25-512-N
	PCR-certified and pre-sterilized	10 μ L	384 tips per TipTray	14	24	OL3800-25-712-P
	Standard	10 μ L	Bulk tips	14	5000 tips	OL3800-25-501-B

Tips for CyBio Well vario pipetting head 1536/8 μ L

Pipetting tips for 1536-channel pipetting

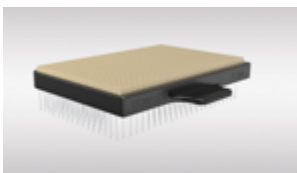
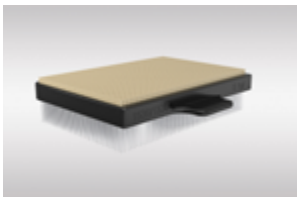
CyBio Tip Magazine 1536/8 μ L	Quality	Net Volume	Format	Reference	Trays/PU	Order Number
	Standard	8 μ L	1536 tips per Tip Magazine	15	12	OL5021-25-511

4.3. Non-Disposable Consumables for CyBio Well vario

Pipetting tips for CyBio Well vario are available in packaging units (PU) with pre-racked CyBio Tip Magazines.

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

Pipetting tips for 1536-channel pipetting


Fixed Tip Magazine	Quality	Net Volume	Format	Reference	Trays/PU	Order Number
	Steel	1 μ L	384 tips per Tip Magazine	16	1	OL5021-25-239
	Ceramic	1 μ L	384 tips per Tip Magazine	17	1	OL5021-25-236
	Steel	1 μ L	1536 tips per Tip Magazine	16	1	OL5021-25-289
	Ceramic	1 μ L	1536 tips per Tip Magazine	17	1	OL5021-25-286
	Glas (coated)	8 μ L	1536 tips per Tip Magazine	18	1	OL5021-25-585

4.4. Disposable Consumables 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 and pre-sterilized	1000 μ L	96 tips per RoboTipTray	2	16	OL3810-25-874-P
	With filter, PCR certified, pre-sterilized	950 μ L	96 tips per RoboTipTray	1	16	OL3810-25-879-F


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

Pipetting tips for 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	16	OL3811-25-539-N
	PCR-certified and pre-sterilized	1000 μ L	96 tips per RoboTipTray	2	16	OL3811-25-639-S
	With filter, PCR-certified and pre-sterilized	950 μ L	96 tips per RoboTipTray	1	16	OL3811-25-939-F


Note: 1000 μ L tips from CyBio TipRack 96/1000 μ L (blister) transferred in RoboTipTray 1-96/1000 μ L (holder); used with Support 97 mm (OL3317-11-105)

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

CyBio TipRack 96/1000 μ L	Quality	Net Volume	Format	Reference	Trays/PU	Order Number
	PCR-certified	1000 μ L	96 tips per TipRack	2	16	OL3811-25-539-N
	PCR-certified and pre-sterilized	1000 μ L	96 tips per TipRack	2	16	OL3811-25-639-S
	With filter, PCR-certified and pre-sterilized	950 μ L	96 tips per TipRack	1	16	OL3811-25-939-F


Note: 1000 μ L tips from CyBio TipRack 96/1000 μ L (blister) transferred in TipRack 96/1000 μ L (holder; OL3371-11-140)

Pipetting tips for 96-channel pipetting

CyBio RoboTipTray 96/250 μ L	Quality	Net Volume	Format	Reference	Trays/PU	Order Number
	Standard	250 μ L	96 tips per RoboTipTray	4	48	OL3810-26-661
	PCR-certified and pre-sterilized	250 μ L	96 tips per RoboTipTray	4	12	OL3810-25-664
	With filter, PCR-certified and pre-sterilized	250 μ L	96 tips per RoboTipTray	3	12	OL3810-25-669


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

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

CyBio TipBox 96/250 μ L	Quality	Net Volume	Format	Reference	Boxes/PU	Order Number
	PCR-certified and pre-sterilized	250 μ L	96 tips per TipBox	6	10	OL3811-25-637-S
	With filter, PCR-certified and pre-sterilized	150 μ L	96 tips per TipBox	5	10	OL3811-25-937-F


Tips for CyBio FeliX Head R 96/250 μ L

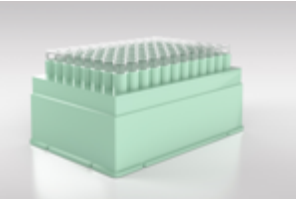
Pipetting tips for 96-channel pipetting

CyBio RoboTipTray 96/250 μ L	Quality	Net Volume	Format	Reference	Trays/PU	Order Number
	Standard	250 μ L	96 tips per RoboTipTray	4	48	OL3810-26-661
	PCR-certified and pre-sterilized	250 μ L	96 tips per RoboTipTray	4	12	OL3810-25-664
	With filter, PCR-certified and pre-sterilized	250 μ L	96 tips per RoboTipTray	3	12	OL3810-25-669

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


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

CyBio TipBox 96/250 μ L	Quality	Net Volume	Format	Reference	Boxes/PU	Order Number
	PCR-certified and pre-sterilized	250 μ L	96 tips per TipBox	6	10	OL3811-25-637-S
	With filter, PCR-certified and pre-sterilized	150 μ L	96 tips per TipBox	5	10	OL3811-25-937-F

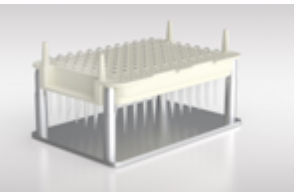
CyBio TipBox 96/50 μ L	Quality	Net Volume	Format	Reference	Boxes/PU	Order Number
	PCR-certified	50 μ L	96 tips per TipBox	11	10	OL3811-25-535-N
	PCR-certified and pre-sterilized	50 μ L	96 tips per TipBox	11	10	OL3811-25-635-S
	With filter, PCR-certified and pre-sterilized	40 μ L	96 tips per TipBox	10	10	OL3811-25-935-F

Tips for CyBio FeliX Head R 96/60 μ L

Pipetting tips for 96-channel pipetting

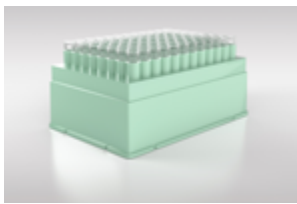
CyBio RoboTipTray 96/60 μ L	Quality	Net Volume	Format	Reference	Trays/PU	Order Number
	Standard	60 μ L	96 tips per RoboTipTray	9	12	OL3810-25-441
	PCR-certified and pre-sterilized	60 μ L	96 tips per RoboTipTray	9	12	OL3810-25-444
	With filter, PCR-certified and pre-sterilized	18 μ L	96 tips per RoboTipTray	8	12	OL3810-25-449

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

CyBio RoboTipTray 96/40 μ L	Quality	Net Volume	Format	Reference	Trays/PU	Order Number
	Standard	40 μ L	96 tips per RoboTipTray	13	12	OL3810-25-431
	PCR-certified and pre-sterilized	40 μ L	96 tips per RoboTipTray	13	12	OL3810-25-434


Note: used 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, 12-channel row and 8-channel column pipetting using liquid handling adapters

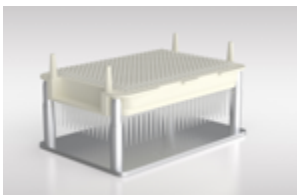
CyBio TipBox 96/50 µL	Quality	Net Volume	Format	Reference	Boxes/PU	Order Number
	PCR-certified	50 µL	96 tips per TipBox	11	10	OL3811-25-535-N
	PCR-certified and pre-sterilized	50 µL	96 tips per TipBox	11	10	OL3811-25-635-S
	With filter, PCR-certified and pre-sterilized	40 µL	96 tips per TipBox	10	10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

Tips for CyBio FeliX Head R 384/60 µL

Pipetting tips for 384-channel pipetting

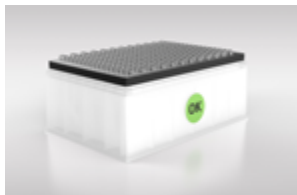
CyBio RoboTipTray 384/60 µL	Quality	Net Volume	Format	Reference	Trays/PU	Order Number
	Standard	60 µL	384 tips per RoboTipTray	9	12	OL3810-25-241
	PCR-certified and pre-sterilized	60 µL	384 tips per RoboTipTray	9	12	OL3810-25-244
	With filter, PCR-certified and pre-sterilized	18 µL	384 tips per RoboTipTray	8	12	OL3810-25-249

Note: used 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 and pre-sterilized	40 µL	384 tips per RoboTipTray	13	12	OL3810-25-234

Note: used 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	9	10	OL0008-25-575-N

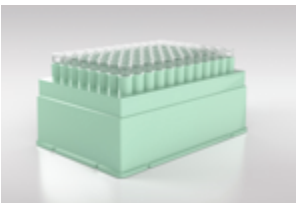
Pipetting tips for single well and 24-channel row pipetting using liquid handling adapters

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	9	10	OL0008-25-585-N

Tips for SELECT Head 8/250 µL

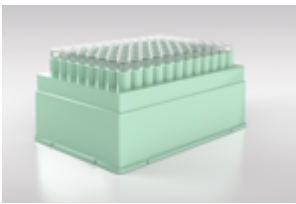
Pipetting tips for single well and column pipetting

CyBio TipBox 96/250 µL	Quality	Net Volume	Format	Reference	Boxes/PU	Order Number
	PCR-certified and pre-sterilized	250 µL	96 tips per TipBox	6	10	OL3811-25-637-S
	With filter, PCR-certified and pre-sterilized	150 µL	96 tips per TipBox	5	10	OL3811-25-937-F

CyBio 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 and pre-sterilized	50 µL	96 tips per TipBox	11	10	OL3811-25-635-S
	With filter, PCR-certified and pre-sterilized	40 µL	96 tips per TipBox	10	10	OL3811-25-935-F


Tips for SELECT Head 8/50 µL

Pipetting tips for single well and column pipetting


CyBio 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 and pre-sterilized	50 µL	96 tips per TipBox	11	10	OL3811-25-635-S
	With filter, PCR-certified and pre-sterilized	40 µL	96 tips per TipBox	10	10	OL3811-25-935-F

Tips for CHOICE Head

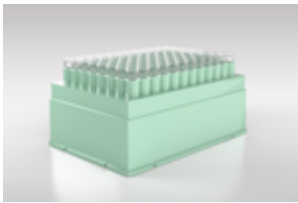
Pipetting tips for high volume single well, 12-channel row and 8-channel column pipetting using CHOICE adapters for 10 - 1000 µL

CyBio TipRack 96/1000 µL	Quality	Net Volume	Format	Reference	Boxes/PU	Order Number
	PCR-certified	1000 µL	96 tips per TipRack	2	16	OL3811-25-539-N
	PCR-certified and pre-sterilized	1000 µL	96 tips per TipRack	2	16	OL3811-25-639-S
	With filter, PCR-certified and pre-sterilized	950 µL	96 tips per TipRack	1	16	OL3811-25-939-F

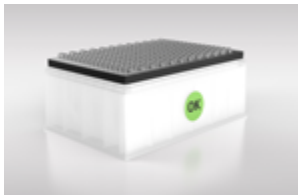
Note: used 1000 µL tips from CyBio TipRack 96/1000 µL (blister) transferred in TipRack 96/1000 µL (holder; OL3371-11-140)

CyBio TipBox 96/250 μ L	Quality	Net Volume	Format	Reference	Boxes/PU	Order Number
	PCR-certified and pre-sterilized	250 μ L	96 tips per TipBox	6	10	OL3811-25-637-S
	With filter, PCR-certified and pre-sterilized	150 μ L	96 tips per TipBox	5	10	OL3811-25-937-F


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

CyBio TipBox 96/50 μ L	Quality	Net Volume	Format	Reference	Boxes/PU	Order Number
	PCR-certified	50 μ L	96 tips per TipBox	11	10	OL3811-25-535-N
	PCR-certified and pre-sterilized	50 μ L	96 tips per TipBox	11	10	OL3811-25-635-S
	With filter, PCR-certified and pre-sterilized	40 μ L	96 tips per TipBox	10	10	OL3811-25-935-F

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

CyBio TipBox 192/60 μ L, columns	Quality	Net Volume	Format	Reference	Boxes/PU	Order Number
	Standard for column (16-channel)	50 μ L	192 tips per TipBox	9	10	OL0008-25-575-N

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

CyBio TipBox 192/60 μ L, rows	Quality	Net Volume	Format	Reference	Boxes/PU	Order Number
	Standard for row (24-channel)	50 μ L	192 tips per TipBox	9	10	OL0008-25-585-N

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Subjects to changes in design and scope of delivery as well as further technical development!

Version 2.0 - en - 01/2021
844-CMA017-2-B
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