

# Pipette Tips

## Pipette tips

ratiolab® pipette tips are ideal for all commercially available pipettes. Their uniform high quality and precision make today's pipette fully effective. Using the pre-filled Multirack advanced or the Refill System,

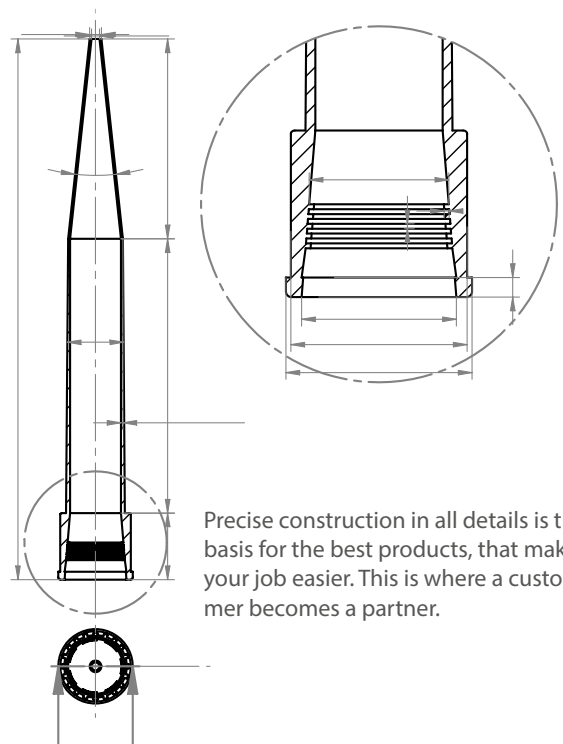


the latter comprising a ratiolab® Multibox plus advanced or Multibox ultra advanced with suitable pipette tips in the MultiTray® advanced, makes professional pipetting simple and safe at any time. Our pipette tips perfectly fit manual or electronic, single or multichannel pipette.

### Precision in each and every detail – a guarantee for the highest quality.

- made of high-quality polypropylene
- tight fit due to precisely fitting cone
- optimal handling due to stable shape
- autoclavable
- guaranteed dust-free due to special ionization treatment
- available pre-sterilized or non-sterile
- excellent transparency due to high-quality surfaces
- minimal residual wetting due to controlled quality of raw materials
- excellent volume accuracy due to precise tip orifice
- practice-oriented tip volumes
- aroject® tips with special filters made of hydrophobic HD-PE as an aerosol barrier and for protection against contamination
- suitable for all commonly used pipette types

**This is why ratiolab® pipette tips always provide perfect results.**



Precise construction in all details is the basis for the best products, that makes your job easier. This is where a customer becomes a partner.

# Pipette Tips System and Refill System

## New Rack System



## Pipette Tips System **New**

### Multirack advanced

The ratiolab® Multiracks advanced provides even more time-saving, perfect hygienic conditions and simple operation.

- the pipette tips are placed on a robust matrix, in an 8 x 12 format for all tips
- the tips can be picked up by 1, 8 or 12-channel pipettors as well as by pipetting robots contamination-free and without any hand contact
- the Multiracks advanced are durable and steady, and the hinged cover can be opened up to 180°
- after work, the Multiracks advanced can be closed firmly through a click closure to protect the tips from dust
- the Multiracks advanced are completely autoclavable at 121 °C, 20 minutes
- Multiracks advanced are available in sterile and non-sterile packs

Order information on pages 30-31.

## New Box System



## Pipette Tips Refill System **New**

### Multibox® plus advanced and -ultra advanced / MultiTray® advanced System

The ratiolab® Multibox® plus advanced and -ultra advanced / MultiTray® advanced system simplifies pipette tips handling and provides more safety.

MultiTray® advanced, the dust-proof refill packs made of plastics for ratiolab® pipette tips, hold the tips in plastic matrices. Up to five plastic matrices filled with tips are stacked on top of each other in the space-saving MultiTray® advanced.

The matrices contain 96 pipette tips in the 8 x 12 standard format. The matrices can simply be removed from the Multibox® advanced with the two-finger tabs.

The MultiTray® advanced matrices fit securely into the Multibox® plus advanced and -ultra advanced with a soft click. The framework of the Multibox® plus advanced and -ultra advanced provides full support for the MultiTray® advanced matrices – resulting in convenient and safe tip pick-up, even with 8- and 12-channel pipettors. For tip removal, the dustproof, hinged cover of the Multibox® plus advanced and -ultra advanced may be opened completely or partially by using the additional sliding mechanism. For cleaning the lid can be removed.

**The ratiolab® Multibox® plus advanced and -ultra advanced / MultiTray® advanced system is space- and cost-saving. It reduces the amount of waste and provides more convenient and safe pipetting and sterilization.**

# Pipette Tips Refill System



## Multibox<sup>®</sup> plus advanced and -ultra advanced for MultiTray<sup>®</sup> advanced pipette tips

Reusable pipette tip boxes for the ratiolab<sup>®</sup> MultiTray<sup>®</sup> advanced refill systems.

- Multibox<sup>®</sup> plus advanced, PC, with dust-proof hinged and sliding lid, completely removable
- Multibox<sup>®</sup> ultra advanced, PP, with hinged lid
- can be autoclaved several times at 121 °C, 20 min
- quantity per pack: 1 pc.
- scope of delivery: Multibox<sup>®</sup> plus advanced or -ultra advanced without MultiTray<sup>®</sup> advanced and without pipet tips

Product	Fig. No.	Volume	Order No.
ratiolab <sup>®</sup> Multibox <sup>®</sup> plus, advance PC, empty, for all MultiTray <sup>®</sup> advanced pipette tips	1	up to 1200 µl	8010161
ratiolab <sup>®</sup> Multibox <sup>®</sup> ultra advance PP, empty, for all MultiTray <sup>®</sup> advanced pipette tips	2	up to 300 µl	<b>New</b> 8030140
ratiolab <sup>®</sup> Multibox <sup>®</sup> ultra advance PP, empty, for all MultiTray <sup>®</sup> advanced pipette tips	3	up to 1200 µl	<b>New</b> 8030150

## MultiTray<sup>®</sup> advanced for Multibox<sup>®</sup> plus advanced and Multibox<sup>®</sup> ultra advanced





- dust-proof refill pack with several plastic matrices filled with tips
- the most functional, environmentally friendly, space and cost-saving packaging
- autoclavable up to 121 °C

Order information on pages 29-31.



# Pipette Tips

## Pipette Tips

Type	Volume Range $\mu$ l	Length mm	Packaging	Fig. No.	Quantity per Pack	Order No.
<b>Crystal pipette tip "E", for ratiopetta<sup>®</sup>, slamed<sup>®</sup> and all commonly used pipettes</b> 	0.5-20	45.80	bag 1x1000	1	1000	2500170
			Multirack advanced 10x96	2	960	2514172
			Multirack advanced, sterilized 10x96	2	960	2554172
			MultiTray <sup>®</sup> advanced 10x96	3	960	2540172
<b>Crystal pipette tip "G", for ratiopetta<sup>®</sup>, slamed<sup>®</sup> and all commonly used pipettes</b> 	0.1-10	31.30	bag 1x1000	1	1000	2500190
			Multirack advanced 10x96	2	960	2514192
			Multirack advanced, sterilized 10x96	2	960	2554192
			MultiTray <sup>®</sup> advanced 10x96	3	960	2540192
<b>Crystal pipette tip xl, for ratiopetta<sup>®</sup>, slamed<sup>®</sup> and all commonly used pipettes</b> 	0.1-10	45.20	bag 1x1000	1	1000	2100500
			Multirack advanced 10x96	2	960	2514502
			Multirack advanced, sterilized 10x96	2	960	2554502
			MultiTray <sup>®</sup> advanced 10x96	3	960	2540502
<b>Yellow pipette tip "E", for ratiopetta<sup>®</sup>, slamed<sup>®</sup> and all commonly used pipettes</b> 	1-200	49.50	bag 1x1000	1	1000	2100600
			Multirack advanced 10x96	2	960	2114602
			Multirack advanced, sterilized 10x96	2	960	2154602
			MultiTray <sup>®</sup> advanced 10x96	3	960	2140602
<b>Colorless pipette tip "E", for ratiopetta<sup>®</sup>, slamed<sup>®</sup> and all commonly used pipettes</b> 	1-200	49.50	bag 1x1000	1	1000	2400600
			Multirack advanced 10x96	2	960	2414602
			Multirack, advanced sterilized 10x96	2	960	2454602
			MultiTray <sup>®</sup> advanced 10x96	3	960	2440602
<b>Pipette tip "Oxford", for all commonly used pipettes</b> 	1-200	65.30	bag 1x1000	1	1000	2500110
<b>Pipette tip "MLA", for all commonly used pipettes</b> 	1-200	47.50	bag 1x1000	1	1000	2500140









# Pipette Tips



Scan here for pipette tips compatibility chart

## Pipette Tips

Type	Volume Range $\mu$ l	Length mm	Packaging	Fig. No.	Quantity per Pack	Order No.
<b>Pipette tip "wide bore", for all commonly used pipettes, ratiopetta®</b>	1-200	50.50	bag 1x1000	1	1000	2100553
						
<b>Yellow pipette tip "universal", for ratiopetta®, slamed® and all commonly used pipettes</b>	1-250	51.20	bag 1x1000	1	1000	2500160
			Multirack advanced 10x96	2	960	2514162
			Multirack advanced, sterilized 10x96	2	960	2554162
			MultiTray® advanced 10x96	3	960	2540162
						
<b>Colorless pipette tip "universal", for ratiopetta®, slamed® and all commonly used pipettes</b>	1-250	50	bag 1x1000	1	1000	2500163
			Multirack advanced 10x96	2	960	2514163
			Multirack advanced, sterilized 10x96	2	960	2554163
			MultiTray® advanced 10x96	3	960	2540163
						
<b>Blue pipette tip "E", for ratiopetta®, slamed® and all commonly used pipettes</b>	100-1200	70.94	bag 1x1000	1	1000	2100610
			Multirack advanced 10x96	2	960	2114612
			Multirack advanced, sterilized 10x96	2	960	2154612
			MultiTray® advanced 10x96	3	960	2140612
						
<b>Colorless pipette tip "E", for ratiopetta®, slamed® and all commonly used pipettes</b>	100-1200	70.94	bag 1x1000	1	1000	2400610
			Multirack advanced 10x96	2	960	2414612
			Multirack advanced, sterilized 10x96	2	960	2454612
			MultiTray® advanced 10x96	3	960	2440612
						
<b>Pipette tip "MLA", for all commonly used pipettes</b>	100-1000	86.30	bag 1x1000	1	1000	2500150
						



# Pipette Tips

## Pipette Tips

Type	Volume Range $\mu$ l	Length mm	Packaging	Fig. No.	Quantity per Pack	Order No.
Pipette tip "wide bore", for ratiopetta <sup>®</sup> , slamed <sup>®</sup> and all commonly used pipettes	100-1000	88.84	bag 1x1000	1	1000	2100555
Pipette Tip Dr. Lange, for Dr. Lange Pipette	100-1000	86.30	bag 1x1000	1	1000	2500130
Pipette Tip, for ratiopetta <sup>®</sup> , slamed <sup>®</sup> and all commonly used pipettes	50-1250	104	bag 1x500	1	500	2400660
Colorless Pipette tip "ES", for pipette Socorex Calibra <sup>®</sup>	500-2500	115	bag 1x250	1	250	2500180
Pipette Tip "Finntip", for pipettes Thermo Scientific <sup>®</sup> , Dr. Lange <sup>®</sup> , Brand <sup>®</sup>	1000-5000	147.60	box 1x75	4	75	2400620
			bag 1x1000	1	1000	2400622
			bag 1x3000	1	3000	2400623
			bag 1x500	1	500	2400624
			rack 1x50	5	50	2410620
Pipette Tip "Makro", for pipette Gilson <sup>®</sup> Pipetman <sup>®</sup> Ultra	1000-5000	119.70	bag 1x250	1	250	2400630
			rack 1x50	6	50	2410630
			rack, sterilized 1x50	6	50	2453630



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Scan here for pipette tips compatibility chart

## Pipette Tips

Type	Volume Range $\mu$ l	Length mm	Packaging	Fig. No.	Quantity per Pack	Order No.
Pipette Tip "Makro II", for ratiopetta <sup>®</sup> , Socorex Accura <sup>®</sup>	1000-5000	126	bag 1x300	1	300	2400650
			rack 1x50	5	50	2410650
			rack, sterilized 1x50	5	50	2453650
						
Pipette Tip "Makro III", for ratiopetta <sup>®</sup> , Biohit mLine Pipettor and Proline Pipettor	1000-5000	133.30	bag 1x300	1	300	2400653
			rack 1x50	5	50	2410653
			rack, sterilized 1x50	5	50	2453653
						
Pipette Tip „Makro IV“, for Slamed <sup>®</sup> Precision and Gilson <sup>®</sup>	1000-5000	124	bag 1x250	1	250	2400655
						
Pipette Tip colorless, for Slamed <sup>®</sup> Precision and Eppendorf <sup>®</sup> Pipette	1000-10000	161	bag 1x200	1	200	2400645
						
Pipette Tip "Finntip", for pipette Thermo Scientific <sup>®</sup> , Socorex Acura <sup>®</sup> , Gilson <sup>®</sup>	2000-10000	150.20	bag 1x100	1	100	2400640
			rack 1x25	5	25	2410640
			rack, sterilized 1x25	5	25	2453640
						
Pipette Tip, for pipette Brand <sup>®</sup> , Socorex Acura <sup>®</sup> , Gilson <sup>®</sup>	1000-10000	153.60	bag 1x100	1	100	2400642
			rack 1x25	5	25	2410642
			rack, sterilized 1x25	5	25	2453642
						



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# aeroject® ultra Pipette Filter Tips






free of RNase-, DNase-, DNA, ATP-,  
pyrogens, and PCR inhibitors-,  
Low Retention



## aeroject® ultra filter tips – Pipette Tips with Aerosol Barrier

Pipette tips with special filters, to effectively prevent the pipettor shaft from contamination with aerosols and liquids to be sucked into the pipettor.

- sterilized
- free of RNase, DNase, pyrogens and ATP
- free of human DNA and PCR inhibitors
- pipette tips and aerosol filters made of ultra-hydrophobic HD-PE
- minimized retention due to special surface treatment
- perfect and tight fit on all major pipettor brands
- aeroject® ultra 1770010 and 1771000xl with extended length for operation with narrow vessels and reduced risk of cross-contamination
- packed in plastic racks with hinged lids

Type	Volume Range $\mu$ l	Length mm	Packaging	Quantity per Pack	Order No.
Pipette Tip aeroject® ultra tips xl, for all commonly used pipettes, ratiopetta®	0.1-10	45.60	Racks 10 x 96	960	1770010
					
Pipette Tip aeroject® ultra tips, for all commonly used pipettes, ratiopetta®	1-20	50.80	Racks 10 x 96	960	1770020
					
Pipette Tip aeroject® ultra tips, for all commonly used pipettes, ratiopetta®	1-100	50.80	Racks 10 x 96	960	1770100
					
Pipette Tip aeroject® ultra tips, for all commonly used pipettes, ratiopetta®	1-200	50.80	Racks 10 x 96	960	1770200
					
Pipette Tip aeroject® ultra tips, for all commonly used pipettes, ratiopetta®	100-1000	86	Racks 10 x 96	960	1771000xl
					

# aeroject® eco Pipette Filter Tips





Reduce your plastic waste!



## aeroject® eco filter tips – Pipette Tips with Aerosol Barrier New

Pipette tips aroject® eco with special filters, to effectively prevent the pipettor shaft from contamination with aerosols and liquids to be sucked into the pipettor.

- sterilized
- free of RNase, DNase, pyrogens and ATP
- free of human DNA and PCR inhibitors
- pipette tips and aerosol filters made of ultra-hydrophobic HD-PE
- minimized retention due to special surface treatment
- perfect and tight fit on all major pipettor brands
- aroject® eco 1720010 and 1721000 with extended length for operation with narrow vessels and reduced risk of cross-contamination
- packed in sustainable cardboard box

Type	Volume Range $\mu$ l	Length mm	Packaging	Quantity per Pack	Order No.
Pipette Tip aroject® eco tips xl, for all commonly used pipettes, ratiopetta®	0.1-10	45.60	Racks 10 x 96	960	1720010
					
Pipette Tip aroject® eco tips, for all commonly used pipettes, ratiopetta®	1-20	50.80	Racks 10 x 96	960	1720020
					
Pipette Tip aroject® eco tips, for all commonly used pipettes, ratiopetta®	1-100	50.80	Racks 10 x 96	960	1720100
					
Pipette Tip aroject® eco tips, for all commonly used pipettes, ratiopetta®	1-200	50.80	Racks 10 x 96	960	1720200
					
Pipette Tip aroject® eco tips, for all commonly used pipettes, ratiopetta®	100-1000	86	Racks 8 x 96	768	1721000
