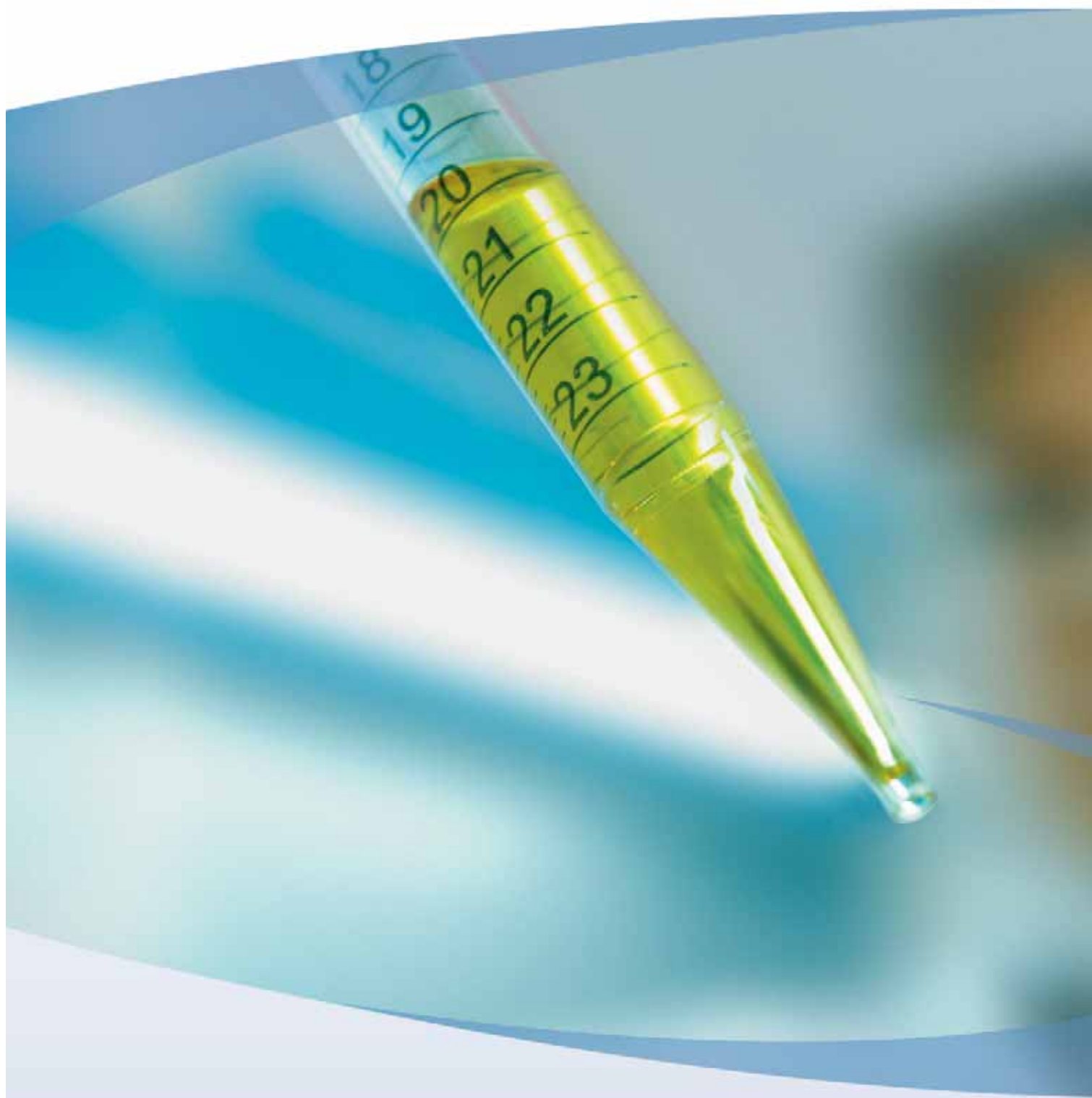


1 Cell/ Tissue Culture
2 HTS- Microplates
3 Immunology/ HLA
4 Microbiology/ Bacteriology
5 Tubes/Multi- Purpose Beakers
6 Liquid Handling
7 Molecular Biology
8 Protein Crystallisation
9 Separation
10 Biochips/ Microfluidics
11 Cryo- Technics
12 Lids/Sealers/ CapMats
13 Reaction Tubes/ Analyser Cups
14 Accessories



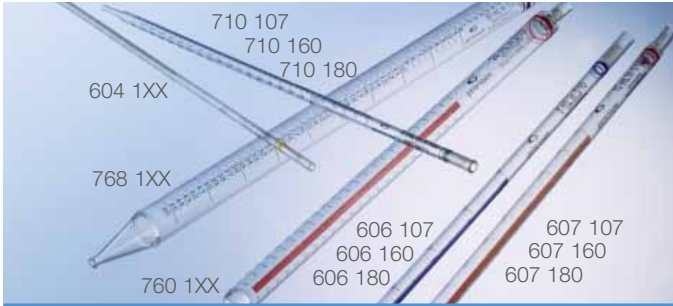
6 Liquid Handling

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Pipettes

CELLSTAR® Serological Pipettes



Serological Pipettes 1 to 50 ml

- Sterile
- High optical clarity
- Maximum accuracy
- Drop-free pipetting
- Clear, easily legible graduation
- A coloured vertical Schellbach stripe makes it considerably easier to read off the volume
- Pipetting units available on request

- Increased volume from negative graduations
- Pipette colour code according to international standards
- Maximum clarity from high-grade polystyrene
- Lot number and expiry date on each bag
- All pipettes are supplied with a synthetic fibrous filter material for protection against the suction of liquid into the pipetting device (exception: the aspiration pipette without fibrous filter material)
- Short-format pipettes (shorties) permit back-saving, pleasant working

Packaging options

- Individually wrapped pipettes in **plastic/plastic-packaging** with peel-off function
- **Paper/plastic-packaging** with peel-off function for individually wrapped pipettes with an additional break-through function
- Reclosable **plastic bulk packs**

Free of detectable DNase, RNase, human DNA
non-pyrogenic

non-cytotoxic



Cat.-No.	604 107	604 181	604 160	710 107	710 180	710 160
Description	1 ml pipette	1 ml pipette	1 ml pipette	2 ml pipette	2 ml pipette	2 ml pipette
Graduation	1/100	1/100	1/100	1/100	1/100	1/100
Sterile	+	+	+	+	+	+
Packaging	bulk	paper/plastic	plastic/plastic	bulk	paper/plastic	plastic/plastic
Quantity per bag/case	25/1000	1/1000	1/1000	25/1000	1/1000	1/1000



Cat.-No.	606 107	606 180	606 160	607 107	607 180	607 160
Description	5 ml pipette	5 ml pipette	5 ml pipette	10 ml pipette	10 ml pipette	10 ml pipette
Graduation	1/10	1/10	1/10	1/10	1/10	1/10
Sterile	+	+	+	+	+	+
Packaging	bulk	paper/plastic	plastic/plastic	bulk	paper/plastic	plastic/plastic
Quantity per bag/case	25/500	1/200	1/200	25/500	1/200	1/200



Cat.-No.	760 107	760 180	760 160	768 180	768 160
Description	25 ml pipette	25 ml pipette	25 ml pipette	50 ml pipette	50 ml pipette
Graduation	2/10	2/10	2/10	1/2	1/2
Sterile	+	+	+	+	+
Packaging	bulk	paper/plastic	plastic/plastic	paper/plastic	plastic/plastic
Quantity per bag/case	25/200	1/200	1/200	1/100	1/100

Shorties and Special Models



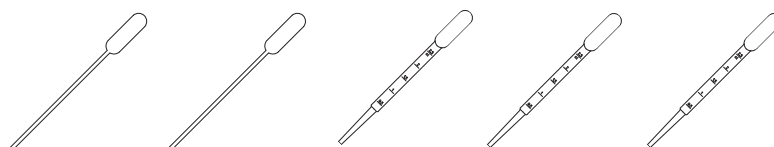
Cat.-No.	603 107	710 183	606 190	607 190
Description	1 ml pipette	2 ml aspiration	5 ml pipette	10 ml pipette
Special feature	no tip	no plug	shorty	shorty
Graduation	1/100	-	1/10	2/10
Sterile	+	+	+	+
Packaging	bulk	paper/plastic	plastic	plastic
Quantity per bag/case	25/1000	1/1000	1/200	1/200

Pasteur / Serum Pipettes



Pasteur / Serum Pipettes

- Ideally suited for the rapid transfer of liquids
- Available sterile or non-sterile



Cat.-No.	700 370	700 361	612 301	612 361	612 362
Description	pasteur pipette	pasteur pipette	serum pipette	serum pipette	serum pipette
Length [mm]	153	153	153	153	153
Working volume [ml]	0.1	0.1	2.5	2.5	2.5
Graduation	-	-	+	+	+
Sterile	-	+	-	+	+
Quantity per bag/case	1500	25/1000	1500	1/800	25/1000

Pipette Tips

1. Pipette Tips from Greiner Bio-One

Pipette tips are a key component in day-to-day life science research and need to be of a high quality to ensure confidence and consistency in pipetting results. Our tips are manufactured from high-grade polypropylene to give the optimum in performance and fit.

Additionally, polypropylene has a high breaking strength, is dimensionally stable, heat-resistant up to approx. +140 °C, i.e. is autoclavable, and cold-resistant down to -190 °C. All coloured Greiner Bio-One pipette tips are manufactured exclusively with heavy metal free dyes. Pipette tips from Greiner Bio-One are therefore free of heavy metals.

Versions available are:

- ☞ Micro tips (0.5 – 20 µl)
- ☞ 200 µl tips (10 – 300 µl)
- ☞ 1000 µl tips (100 – 1000 µl)
- ☞ Macro tip (5 ml)
- ☞ Gel-load tips
- ☞ Conductive tips
- ☞ Filter tips

2. Choice of Packaging

Bags (Bulk)

In addition to pipette tips in racks, all standard pipette tips without filters are also available bulk-packed in polyethylene bags.

Pipette tips in polyethylene bags are cheapest for the customer but are also the most work-intensive.

It is not possible to autoclave the tips in the bag, as the polyethylene bag is not heat-resistant. However, the tips can be autoclaved in racks. We will be glad to supply you with empty racks (Fig. 1 – Fig. 3). On the following pages, the Cat.-No. of the rack is listed with the corresponding pipette tips.

Racks

A more convenient solution often taking up less bench space are pre-packed tips that minimise any risk of contamination and make for easy “pick up”. Racked tips can be supplied pre-sterilised by irradiation or non-sterile which allows for autoclaving as and when required.

EasyLoad® Racks

EasyLoad® is a simple, time- and space-saving refill system for pipette tips. The refill system also contains EasyLoad® racks (EL-racks) specially developed for this purpose. The modularly constructed EasyLoad® racks are available in three different sizes (for 10 µl, 200 µl and 1000 µl tips) (Fig. 4).

They consist of a polypropylene box with attached lid and a polypropylene insert plate. Users of the EasyLoad® refill system (→ p. 6 | 14) will find the insert plate included in the refill unit. The EasyLoad® racks are also particularly well suited for use with multi-channel pipettors, since the individual tips in the rack can be picked up with the same force. For “self-sticking” of tips special EasyLoad® racks with an insert plate can be ordered (Fig. 4). The insert plate can also be ordered separately.

The following standard racks (ST-racks) and EasyLoad® racks (EL-racks) are available (Fig. 1 – Fig. 4):

Figure 1:
White standard rack (ST-rack)



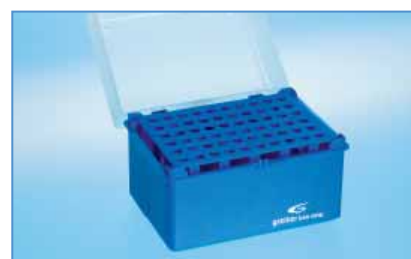
Figure 2:
Yellow standard rack (ST-rack)



Figure 3:
Blue standard rack (ST-rack)



Figure 4:
Blue EasyLoad® rack for 1000 µl tips



3. Quality Assurance

Pipette tips from Greiner Bio-One are manufactured under production conditions certified as conforming to the ISO 9001 standard. They are also tested for conformance with the international standard DIN ISO 8655 (specifically ISO 8655-1, ISO 8655-2 and ISO 8655-6).

Greiner Bio-One exclusively uses carefully inspected raw materials for the production of pipette tips and carries out continual in-process checks as well as laboratory tests to ensure that all tips meet the standards listed above. In addition, the pipette tips are constantly monitored for a precise fit on the commonly used pipettors.

Micro Pipette Tips (0.5 – 20 µl)

Micro pipette tips with a pipetting volume of up to 20 µl are suitable for the precise pipetting of the smallest possible liquid volumes as a result of their small size and thus small dead

volume. Greiner Bio-One currently offers three types of micro pipette tips (micro tip P10, micro tip P10 graduated, crystal tip).









Micro Pipette Tips (0.5 – 20 µl)

20 µl Crystal Pipette Tips
ideally suited for Eppendorf®

10 µl Micro Pipette Tips ideally suited for Gilson®

▶ Table of Compatibility, Technical Appendix p. A I 12 f.

			
Cat.-No.	765 290	765 280	765 271
Description	crystal tip	crystal tip	crystal tip
	ideally suited for Eppendorf® Reference, Research pro		
Volume [µl]	0.5 – 20	0.5 – 20	0.5 – 20
Colour	natural	natural	natural
Graduation	-	-	-
Sterile	-	-	+
Quantity per packaging unit/case	1000/5000	96/4800	96/4800
Packaging unit	bulk	yellow ST-rack	yellow ST-rack
Matching rack for bulkware tips	Cat.-No. 973 272	-	-

						
Cat.-No.	771 290	771 287	771 289	771 291	771 280	771 281
Description	P10 standard	P10 standard	P10 standard	P10 graduated	P10 graduated	P10 graduated
	ideally suited for Gilson® Pipetman P2, P10, U10					
Volume [µl]	0.5 – 10	0.5 – 10	0.5 – 10	0.5 – 10	0.5 – 10	0.5 – 10
Colour	natural	natural	natural	natural	natural	natural
Graduation	-	-	-	+	+	+
Sterile	-	-	+	-	-	+
Quantity per packaging unit/case	1000/5000	96/4800	96/4800	1000/5000	96/4800	96/4800
Packaging unit	bulk	white ST-rack	white ST-rack	bulk	EL-rack	EL-rack
Matching rack for bulkware tips	Cat.-No. 973 276	-	-	Cat.-No. 941 305	-	-

The registered trademarks of the mentioned manufacturers belong to the above mentioned companies.

- 1 Cell/Tissue Culture
- 2 HTS-Microplates
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- 14 Accessories

200 µl Pipette Tips (10 – 300 µl)



739 261
739 280
739 290

685 261
685 280
685 290

100 µl / 200 µl / 300 µl Pipette Tips

100 µl Pipette Tips ideally suited for Eppendorf®

200 µl Pipette Tips ideally suited for Gilson®

300 µl Pipette Tips ideally suited for Oxford®

Table of Compatibility, Technical Appendix p. A I 12 f.

100 µl Pipette Tip ideally suited for Eppendorf®

This pipette tip is recommended for Eppendorf® pipettors. It has a bevelled edge, which increases pipetting accuracy. The pipette tip can be easily distinguished from the pipette tip recommended for Gilson® pipettors due to its shorter tip collar.

200 µl Pipette Tip ideally suited for Gilson®

This pipette tip was developed for Gilson® pipettors. Its liquid end is bevelled, the contact surface of the pipetted liquids is reduced and the pipetting accuracy increases, since less liquid can remain on the pipette tip.

300 µl Pipette Tip ideally suited for Oxford®

This pipette tip was developed for Oxford® pipettors.

6 Liquid Handling



Cat.-No.	685 295	685 290	685 280	685 261
	ideally suited for Eppendorf® Reference, Research, Research pro			
Volume [µl]	10 – 100	10 – 100	10 – 100	10 – 100
Colour	natural	yellow	yellow	yellow
Graduation	-	-	-	-
Sterile	-	-	-	+
Quantity per packaging unit/case	500/15000	500/15000	96/4800	96/4800
Packaging unit	bulk	bulk	yellow ST-rack	yellow ST-rack
Matching rack for bulkware tips	Cat.-No. 973 202	Cat.-No. 973 202	-	-

10 Biochips/ Microfluidics



Cat.-No.	739 290	739 280	739 261
	ideally suited for Gilson® Pipetman		
	P20, P100, P200, F5, F10, F25, F50, F200, U200		
Volume [µl]	10 – 200	10 – 200	10 – 200
Colour	yellow	yellow	yellow
Graduation	-	-	-
Sterile	-	-	+
Quantity per packaging unit/case	500/15000	96/4800	96/4800
Packaging unit	bulk	yellow ST-rack	yellow ST-rack
Matching rack for bulkware tips	Cat.-No. 973 270	-	-

14 Accessories

The registered trademarks of the mentioned manufacturers belong to the above mentioned companies.



728 280
728 290

739 263
739 264
739 282
739 291

739 265
739 296

200 µl / 250 µl Universal Pipette Tips

200 µl Universal Pipette Tips
200 µl Universal Pipette Tips, S-Style
250 µl Universal Pipette Tips







▶ Table of Compatibility, Technical Appendix p. A I 12 f.



In many research laboratories, pipettors from a variety of different manufacturers are used at the same time, for example Gilson®, Biohit® and Eppendorf®. The universal pipette tip makes it possible to use the same pipette tip for all pipettors and thus simplifies storage, as well as saving time when reordering.

200 µl Universal Pipette Tips
 Graduations (10 µl, 50 µl and 100 µl) enable the user to better check the pipetted volume.

200 µl S-Style Pipette Tips
 200 µl universal pipette tip without graduation.

250 µl Universal Pipette Tips

						
Cat.-No.	739 291	739 263	739 264	739 282	739 296	739 265
Description	universal	universal	universal	universal	universal	universal
Suitable for	Biohit®; Brand®; Eppendorf®; Gilson®; Socorex®					
Volume [µl]	10 – 200	10 – 200	10 – 200	10 – 200	10 – 200	10 – 200
Colour	natural	natural	natural	natural	yellow	yellow
Graduation	+	+	+	+	+	+
Sterile	-	-	+	-	-	-
Quantity per packaging unit/case	500/15000	96/4800	96/4800	96/960	500/15000	96/4800
Packaging unit	bulk	yellow ST-rack	yellow ST-rack	EL-rack	bulk	yellow ST-rack
Matching rack for bulkware tips	Cat.-No. 941 315 -		-	-	Cat.-No. 941 315 -	

				
Cat.-No.	728 290	728 280	739 250	739 255
Description	universal	universal	universal	universal
Suitable for	Biohit®; Brand®; Eppendorf®; Gilson®; Socorex®		Brand®; Eppendorf®; Gilson®	
Special feature	S-Style	S-Style	-	-
Volume [µl]	10 – 200	10 – 200	10 – 250	10 – 250
Colour	natural	natural	natural	natural
Graduation	-	-	+	+
Sterile	-	-	-	-
Quantity per packaging unit/case	500/15000	96/4800	500/15000	96/3840
Packaging unit	bulk	yellow ST-rack	bulk	F-rack
Matching rack for bulkware tips	Cat.-No. 973 270		Cat.-No. 941 315 -	

The registered trademarks of the mentioned manufacturers belong to the above mentioned companies.

1000 µl Pipette Tips (100 – 1000 µl) and Macro Pipette Tip (5 ml)

Up to 1000 µl Pipette Tips

1000 µl tips have a greater diameter and are longer than 200 µl tips. Many laboratories distinguish between yellow

(200 µl) and blue (1000 µl) pipette tips. However, the colour is not sufficient to distinguish them because both pipette tip types are also available clear.



1000 µl Pipette Tips

1000 µl Pipette Tips ideally suited for Eppendorf®

1000 µl Pipette Tips ideally suited for Gilson®

Table of Compatibility, Technical Appendix p. A I 12 f.





1000 µl Tips ideally suited for Eppendorf®

Like the 200 µl tip, the 1000 µl tip recommended for Eppendorf® pipettors is distinguished particularly by a shorter tip collar. It can be used for volumes between 100 and 1000 µl.




1000 µl Tips ideally suited for Gilson®

This tip is ideally suited for Gilson® pipettors with a volume of 200 – 1000 µl and is only available in blue.

6 Liquid Handling

				
Cat.-No.	686 295	686 290	686 280	686 271
	ideally suited for Eppendorf® Reference, Research, Research pro			
Volume [µl]	100 – 1000	100 – 1000	100 – 1000	100 – 1000
Colour	natural	blue	blue	blue
Graduation	-	-	-	-
Sterile	-	-	-	+
Quantity per packaging unit/case	250/5000	250/5000	60/2400	60/2400
Packaging unit	bulk	bulk	blue ST-rack	blue ST-rack
Matching rack for bulkware tips	Cat.-No. 974 280	Cat.-No. 974 280	-	-

10 Biochips/ Microfluidics

			
Cat.-No.	740 290	740 280	740 274
	ideally suited for Gilson® Pipetman P1000, F250, F300, F500, F1000, U1000		
Volume [µl]	200 – 1000	200 – 1000	200 – 1000
Colour	blue	blue	blue
Graduation	-	-	-
Sterile	-	-	+
Quantity per packaging unit/case	250/5000	60/2400	60/2400
Packaging unit	bulk	blue ST-rack	blue ST-rack
Matching rack for bulkware tips	Cat.-No. 974 290	-	-

The registered trademarks of the mentioned manufacturers belong to the above mentioned companies.



1000 µl Pipette Tips

1000 µl Universal Pipette Tips

▶ Table of Compatibility, Technical Appendix p. A I 12 f.

1000 µl Universal Tips graduated

This pipette tip type is recommended when pipettors from different manufacturers are used at the same time. The graduation makes it easier to check the pipetted volume.



Cat.-No.	740 291	740 263	740 264	740 296	740 265
Description	universal	universal	universal	universal	universal
Suitable for	Brand®; Eppendorf®; Finnpiquette®; Gilson®; Socorex®				
Volume [µl]	200 – 1000	200 – 1000	200 – 1000	200 – 1000	200 – 1000
Colour	natural	natural	natural	blue	blue
Graduation	+	+	+	+	+
Sterile	-	-	+	-	-
Quantity per packaging unit/case	250/5000	60/2400	60/2400	250/5000	60/2400
Packaging unit	bulk	EL-rack	EL-rack	bulk	EL-rack
Matching rack for bulkware tips	Cat.-No. 941 325	-	-	Cat.-No. 941 325	-

5 ml Macro Pipette Tip



Cat.-No.	745 290
Description	macro pipette tip
Suitable for	Gilson® P5000
Volume [ml]	1 – 5
Colour	natural
Graduation	-
Sterile	-
Quantity per bag/case	250/2500

The registered trademarks of the mentioned manufacturers belong to the above mentioned companies.

Gel-Load Pipette Tips



Gel-Load Pipette Tips

▶ Table of Compatibility, Technical Appendix p. A I 12 f.

- Characterised by an elongated end
- Ideal for numerous molecular biological applications, especially for filling the slots of sequencing, PCR and protein electrophoresis gels

PCR Free of detectable DNase, RNase, human DNA non-pyrogenic non-cytotoxic



Cat.-No.	770 290	770 291
Description	gel-load	gel-load
Suitable for	Anthos®; Biohit®; Brand®; Costar®; Eppendorf®; Finnpipette®; Gilson®; Human®; Moltronic®; Socorex®	
Volume [µl]	10 – 200	10 – 200
Colour	natural	natural
Sterile	-	-
Quantity per packaging unit/case	1000/10000	96/3840
Packaging unit	bulk	blue ST-rack



Cat.-No.	775 288
Description	gel-load filter tip
Special feature	low-seated filter
Suitable for	Brand®; Eppendorf®; Gilson®; Socorex®
Volume [µl]	20
Colour	natural
Graduation	-
Sterile	+
Quantity per packaging unit/case	96/960
Packaging unit	F-rack

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14 Accessories

Conductive Pipette Tips



Conductive Pipette Tips

Conductive tips are used to prevent carryover in automated pipetting robots. The addition of graphite to the raw material polypropylene makes the pipette tips electrically conductive.

By measuring electric currents, the filling level can be determined in sample and reagent containers, so that the depth of immersion of the tip can be adjusted to the filling level.

		
Cat.-No.	685 296	764 280
Suitable for	Eppendorf®	-
Special feature	-	slim style
Volume [µl]	10 – 200	10 – 240
Filter	-	-
Colour	black	black
Sterile	-	-
Quantity per packaging unit/case	500/15000	900/7200
Packaging unit	bulk	bulk
Matching rack for bulkware tips	Cat.-No. 973 202	-

	
Cat.-No.	686 296
Suitable for	-
Volume [µl]	200 – 1000
Filter	-
Colour	black
Sterile	-
Quantity per packaging unit/case	250/5000
Packaging unit	bulk
Matching rack for bulkware tips	Cat.-No. 974 280

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- 14 Accessories

Filter Tips



Filter Tips

Table of Compatibility, Technical Appendix p. A I 12 f.

Pipette tips with filter inserts prevent contamination with liquids and aerosols during the pipetting process. In combination with conventional pipettors, Greiner Bio-One filter tips prevent the aspiration of particles into the interior of the pipettor. This minimises the danger of unwanted cross-contamination. The special ultra-micro filter made of hydrophobic polyethylene has a pore size of approx. 10 microns and acts as a reliable barrier against the transfer of aerosols into the shaft of the pipettor.

Greiner Bio-One filter tips:

- Are recommended for work with DNA and RNA, and when handling radioactive material
- Are available in the volume ranges 0.5 µl to 1000 µl
- Can be used with all standard pipettors
- Are free of detectable DNase / RNase and are **sterilised by irradiation**
- Are available in boxes of 96 pieces (Fig. 5) or 60 pieces in the case of 1000 µl tips
- Produced and certified according to DIN ISO 8655

Micro Filter Tips 0.5 – 20 µl

Micro tips with a pipetting volume of up to 20 µl are suitable for the precise pipetting of the smallest possible liquid volumes as a result of their small size and thus small dead volume.

Filter Tips 10-200 µl

These tips can be used for pipetting volumes of 10 - 200 µl.

Filter Tips 200-1000 µl

These tips can be used for pipetting volumes of 200 - 1000 µl.



Figure 5: Filter tip rack (F-rack)

PCR Free of detectable DNase, RNase, human DNA non-pyrogenic non-cytotoxic

0.5 – 20 µl



Cat.-No.	765 288	772 288	774 288
Description	micro crystal tip	micro tip P10	standard tip
Ideally suited for	Eppendorf®	Gilson®	universal
	Eppendorf® Reference Eppendorf® Research Eppendorf® Research pro	Gilson® Pipetman P2, P10, U10	Brand®; Biohit®; Eppendorf®; Gilson®; Socorex®
Volume [µl]	10	10	20
Colour	natural	natural	natural
Graduation	-	-	-
Sterile	+	+	+
Quantity per packaging unit/case	96/960	96/960	96/960
Packaging unit	F-rack	F-rack	F-rack

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10 – 200 µl



Cat.-No.	772 288	739 288
Description	filter tip	universal filter tip
Ideally suited for	universal	universal
Suitable for	Brand®; Biohit®; Eppendorf®; Gilson®; Socorex®	Brand®; Biohit®; Eppendorf®; Gilson®
Volume [µl]	100	200
Colour	natural	natural
Graduation	-	+
Sterile	+	+
Quantity per packaging unit/case	96/960	96/960
Packaging unit	F-rack	F-rack

100 – 1000 µl



Cat.-No.	750 288	740 288
Description	filter tip	universal filter tip
Ideally suited for	Eppendorf®	universal
Suitable for	Biohit® Finnpipette®; Gilson®; Socorex®	Finnpipette®; Gilson®
Volume [µl]	1000	1000
Colour	natural	natural
Graduation	-	-
Sterile	+	+
Quantity per packaging unit/case	60/600	60/600
Packaging unit	F-rack	F-rack

EasyLoad®



EasyLoad®

- Autoclavable EasyLoad® racks
- Sterile and non-sterile option
- Racks are stackable
- Colour-coded boxes
- Positioning guides make it easier to place the EasyLoad® refill units on the racks

EasyLoad® is a simple, time- and space-saving refill system for standard pipette tips.

- EasyLoad® 10 (micro 10 µl, graduated)
- EasyLoad® 200 (universal 200 µl, thin-walled, graduated)
- EasyLoad® 1000 (universal 1000 µl, thin-walled, graduated)

! The design of the rack's interior increases stability during autoclaving and when pipette tips are being used with multi-channel pipettors.

Cat.-No.	741 015	741 020
Description	EasyLoad® 10	EasyLoad® 10
Volume [µl]	10	10
Suitable for single-channel pipettors	Gilson®	Gilson®
Colour	natural	natural
Graduation	+	+
Sterile	-	+
Quantity per refill box/case	960/5760	960/5760
Matching EasyLoad® rack, Cat.-No.	941 300	941 300

The registered trademarks of the mentioned manufacturers belong to the above mentioned companies.

Cat.-No.	741 000	741 061	741 065	741 070	741 010
Description	EasyLoad® 200	EasyLoad® 200	EasyLoad® 200	EasyLoad® 200	EasyLoad® 200, starter kit
Volume [µl]	200	200	200	200	200
Suitable for single-channel pipettors	Brand®; Eppendorf®; Finnpiquette®; Gilson®; Socorex®				
Suitable for multi-channel pipettors	Brand®; Gilson®; Eppendorf®; Socorex®				
Colour	natural	natural	yellow	yellow	yellow
Graduation	+	+	+	+	+
Sterile	-	+	-	+	-
Quantity per refill box/case	960/5760	960/5760	960/5760	960/5760	2 boxes EasyLoad® 200, 10 EasyLoad® 200 racks
Matching EasyLoad® rack, Cat.-No.	941 310	941 310	941 310	941 310	

Cat.-No.	741 035	741 040	741 045	741 050
Description	EasyLoad® 1000	EasyLoad® 1000	EasyLoad® 1000	EasyLoad® 1000
Volume [µl]	100 – 1000	100 – 1000	100 – 1000	100 – 1000
Suitable for single-channel pipettors	Brand®; Eppendorf®; Finnpiquette®; Gilson®; Socorex®			
Colour	natural	natural	blue	blue
Graduation	+	+	+	+
Sterile	-	+	-	+
Quantity per refill box/case	360/2160	360/2160	360/2160	360/2160
Matching EasyLoad® rack, Cat.-No.	941 320	941 320	941 320	941 320

The registered trademarks of the mentioned manufacturers belong to the above mentioned companies.

Sapphire Pipette & Filter Tips

Greiner Bio-One offers a new range of pipette and filter tips. The product family Sapphire comprises standard pipette tips, standard filter tips, low retention pipette tips and low retention filter tips. All tips are transparent, graduated, allow precise and comfortable pipetting with

maximal recovery and are free of detectable DNase, RNase, human DNA and are non-pyrogenic. The Sapphire pipette and filter tips can be used with all common pipettors.

Sapphire Pipette Tips



Pipette Tips

10 µl / 300 µl / 1250 µl







↳ Racks can be ordered separately




↳ Table of Compatibility, Technical Appendix p. A I 14 f.

- Graduation for perfect visual control of the liquid transfer
- Thin-walled top of the tips for reliable fit and optimal seal
- Tips and racks are autoclavable
- Extended 10 µl tip for better recovery of small sample volumes
- User-friendly and stackable racks

New

Free of detectable
DNase, RNase,
human DNA
non-pyrogenic


						
Cat.-No.	771 254	771 257	771 250	738 254	738 257	738 250
Volume [µl]	10	10	10	300	300	300
Colour	natural	natural	natural	natural	natural	natural
Graduation	+	+	+	+	+	+
Sterile	-	-	-	-	-	-
Quantity per packaging unit/case	96/4800	96/4800	1000/10000	96/4800	96/4800	1000/10000
Packaging unit	rack	refill unit	bulk	rack	refill unit	bulk
Matching rack	-	Cat.-No. 970 210	Cat.-No. 970 210	-	Cat.-No. 970 230	Cat.-No. 970 230

			
Cat.-No.	750 254	750 257	750 250
Volume [µl]	1250	1250	1250
Colour	natural	natural	natural
Graduation	+	+	+
Sterile	-	-	-
Quantity per packaging unit/case	96/3840	96/3840	768/7680
Packaging unit	rack	refill unit	bulk
Matching rack	-	Cat.-No. 970 250	Cat.-No. 970 250

Sapphire Low Retention Pipette Tips

The Sapphire Low Retention Pipette Tips feature specially optimised surface properties for maximum precision. Because no liquid remains in the tip, pipetting is virtually residue-free.

This boosts precision and the usable volume. It also prevents the wasting of valuable sample material.



Low Retention Pipette Tips

10 µl / 300 µl / 1250 µl

- ▶ Racks can be ordered separately
- ▶ Table of Compatibility, Technical Appendix p. A I 14 f.

- Low retention surface properties for high recovery rate and maximum precision
- Tips and racks are autoclavable
- Graduation for perfect visual control of the liquid transfer
- Extended 10 µl tip for better recovery of small sample volumes
- Thin-walled top of the tips for reliable fit and optimal seal
- User-friendly and stackable racks

New

Free of detectable
DNase, RNase,
human DNA
non-pyrogenic



Cat.-No.	771 255	771 258	738 255	738 258	750 255	750 258
Volume [µl]	10	10	300	300	1250	1250
Special feature	low retention	low retention	low retention	low retention	low retention	low retention
Colour	natural	natural	natural	natural	natural	natural
Graduation	+	+	+	+	+	+
Sterile	-	-	-	-	-	-
Quantity per packaging unit/case	96/4800	96/4800	96/4800	96/4800	96/3840	96/3840
Packaging unit	rack	refill unit	rack	refill unit	rack	refill unit
Matching rack	-	Cat.-No. 970 210	-	Cat.-No. 970 230	-	Cat.-No. 970 250

Sapphire Filter Tips



Filter Tips Low Retention Filter Tips

10 µl / 20 µl / 300 µl / 1250 µl

- ▶ Racks can be ordered separately
- ▶ Table of Compatibility, Technical Appendix p. A I 14 f.

- Prevent contamination with liquids and aerosols during pipetting
- Are recommended for work with DNA, RNA, and when handling radioactive material
- Graduation for perfect visual control of the liquid transfer
- Thin-walled top of the tips for reliable fit and optimal seal
- Low retention tips for high recovery rate and maximum precision

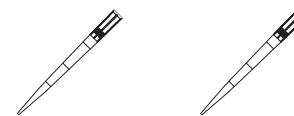
New

Free of detectable
DNase, RNase,
human DNA
non-pyrogenic

Filter Tips







Cat.-No.	771 261	771 260	773 261	738 261	738 260
Volume [µl]	10	10	20	300	300
Colour	natural	natural	natural	natural	natural
Graduation	+	+	+	+	+
Sterile	+	+	+	+	+
Quantity per packaging unit/case	96/960	1000	96/960	96/960	1000
Packaging unit	rack	bulk	rack	rack	bulk
Matching rack	-	Cat.-No. 970 210	-	-	Cat.-No. 970 230



Cat.-No.	750 261	750 260
Volume [µl]	1250	1250
Colour	natural	natural
Graduation	+	+
Sterile	+	+
Quantity per packaging unit/case	96/768	768
Packaging unit	rack	bulk
Matching rack	-	Cat.-No. 970 250

1 Cell/ Tissue Culture
2 HTS- Microplates
3 Immunology/ HLA
4 Microbiology/ Bacteriology
5 Tubes/Multi- Purpose Beakers
6 Liquid Handling
7 Molecular Biology
8 Protein Crystallisation
9 Separation
10 Biochips/ Microfluidics
11 Cryo- Technics
12 Lids/Sealers/ CapMats
13 Reaction Tubes/ Analyser Cups
14 Accessories

Low Retention Filter Tips

				
Cat.-No.	771 265	773 265	738 265	750 265
Volume [µl]	10	20	300	1250
Special feature	low retention	low retention	low retention	low retention
Colour	natural	natural	natural	natural
Graduation	+	+	+	+
Sterile	+	+	+	+
Quantity per packaging unit/case	96/960	96/960	96/960	96/768
Packaging unit	rack	rack	rack	rack

1 Cell/
Tissue Culture2 HTS-
Microplates3 Immunology/
HLA4 Microbiology/
Bacteriology5 Tubes/Multi-
Purpose Beakers6 Liquid
Handling7 Molecular
Biology8 Protein
Crystallisation

9 Separation

10 Biochips/
Microfluidics11 Cryo-
Technics12 Lids/Sealers/
CapMats13 Reaction Tubes/
Analyser Cups

14 Accessories