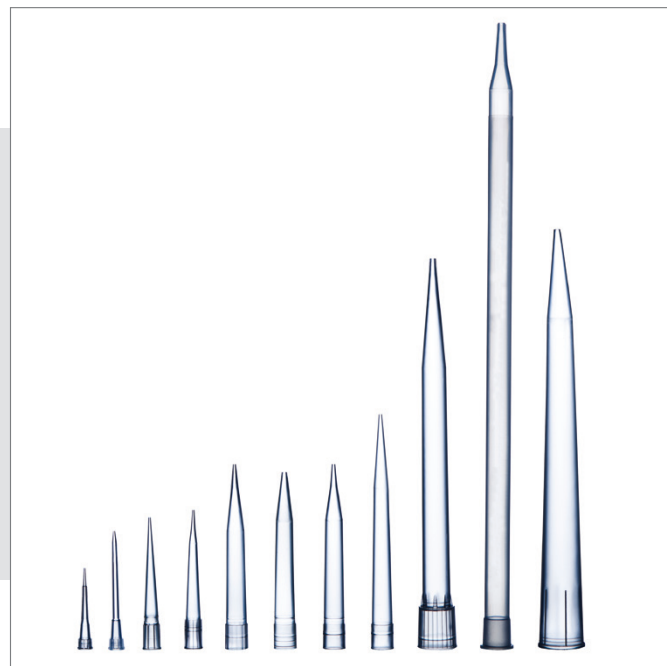


Optifit Tips

Standard Multipurpose Tips for Various Applications

Product Information

Sartorius Optifit Tips are ideal for use with for Sartorius pipettes, enabling maximum accuracy and precision, as well as comfortable ergonomics. Sartorius pipettes feature a unique spring-loaded Optiload mechanism that makes it easy to attach tips while still ensuring a perfect seal. Non-filter Optifit Tips are available in various purity levels and packaging types, and are suitable for use with other manufacturers' pipettes.



Description

Optifit Tips are manufactured from virgin polypropylene. Strict quality standards (ISO 9001 and ISO 13485) are followed at every step of the process, from R&D to production and delivery. The tips are manufactured in ISO 8 classified cleanroom conditions to avoid any contamination and every production batch of purity certified tip is tested for DNase, RNase, and endotoxins. Pre-sterilized tips are also available for laboratory work where purity requirements are of critical importance. The tips are released for sale once they have fulfilled the test requirements. Certificates are available at www.sartorius.com.

Features

- Available in volumes from 10 µl to 10 ml including extended and wide-bore tips
- All production batches supplied in single tray racks, as well as refill and FlexiBulk® packages, are certified as RNase, DNase, and endotoxin free
- Informative rack labels indicating tip volume, product number, lot number, date, and purity level for improved tip identification and traceability
- E-beam pre-sterilized tips available for sterile work
- Perfect fitting and tip sealing with all Sartorius pipettes
- Smooth and ergonomic tip attachment and ejection ensured by compatibility with the Optiload feature of Sartorius pipettes

- Color-coded tip trays make it easy to match tip with appropriate Sartorius pipette
- Flip-top racks that are easy to open and close with one hand
- Materials used in tips, trays and racks are 100% recyclable or can be incinerated as energy waste
- Tip racks can be refilled with tips from Bulk or Refill Tower packages. The racks and tips are fully autoclavable (121°C, 20 min, 1 bar).
- Universal design provides compatibility with most of the pipette brands

The Sartorius tip offering also includes Optifit Low Retention Tips and SafetySpace Filter Tips (see catalog for details).

Intended Use

The Sartorius Optifit Tips are intended, designed and manufactured to be used in liquid dispensing in a variety of applications and to be used in combination with Sartorius pipettes. The Sartorius pipette and tip combination, fall within the scope of in-vitro diagnostics, and can be used as a diagnostic medical device in related applications. Thereby, Sartorius pipettes and Sartorius tips fulfil the relevant demands of the Directive 98/97/EC of the European Parliament. It is recommended that Optifit Tips are used with Sartorius pipettes to ensure optimum compatibility and performance.

Technical Data

Technical Specifications

Sterilization	Electron beam (beta irradiation) in accordance with EN 552 and ISO 11137 and validated by using 25 kGy as the minimum dose with SAL (sterility assurance level) of 10 ⁻⁶ .
Purity certificate	All production batches (lot number) supplied in single tray racks, as well as refill and FlexiBulk® packages, are certified as RNase, DNase, and endotoxin free.
Endotoxin purity testing	Validated test result with LAL gel clot method for endotoxin free pipette tip is < 0,005 IU/ml (EU/ml).*
DNase purity testing	DNase-free pipette tips show no evidence of DNase activity in the fluorometric assay with the detection level of < 6,25*10 ⁻⁵ U/μl when DNase I is used as a standard.
RNase purity testing	RNase-free pipette tips show no evidence of RNase activity in the fluorometric assay with the detection level of < 3,125*10 ⁻⁹ U/μl when RNase A is used as a standard.
Standards	ISO 9001 Quality management standard ISO 14001 Environmental standard ISO 13485 Medical device quality management standard ISO 14644-1 Class 8 cleanroom manufacturing standard
Autoclavability	Tips, trays, and racks are autoclavable (121°C, 20 min, 1 bar)
Transportation conditions	Temperature: -50°C to +50°C Humidity: 10%-90% Shocks: <10 G
Storage conditions	Temperature: -20°C to +40°C Humidity: 10%-60%
Expiry Date	5 years from manufacturing date*

* Extended 10 μl tips: endotoxin purity testing result < 0,05 IU/ml (EU/ml), expiry date 3 years from manufacturing date.

Materials and Recyclability

Tip	Polypropylene (PP) Recyclable, can be incinerated as energy waste
Tray and Rack	Polypropylene (PP) Recyclable, can be incinerated as energy waste
FlexiBulk® pack	Polyethylene terephthalate (APET) / Polyethylene (PE) Recyclable, can be incinerated as energy waste
Cardboard package	Cardboard Recyclable, renewable waste

Package Options



FlexiBulk® Pack
purity-certified, space-saving, ecological, and economical bulk boxes



Single Tray racks
purity-certified tip racks



Refill Pack
purity-certified, ecological refill packages



Bulk in Box
economical bulk packages



Refill Tower
space-saving, ecological refill packages

Ordering Information

Optifit Tips

Order Code	Volume Range	Length [mm]	Package	Purity Level		Tips/Unit
				Certified free of RNase, DNase, endotoxins	Pre-sterilized	
790010	● 0,1-10 µl	31,5	Single Tray	•		10 x 96
790011			Single Tray	•	•	10 x 96
790012			Refill Tower			10 x 96
790013			Refill Pack	•	•	20 x 96
790014			Bulk in Box			1000
783210	● 0,1-10 µl, Extended	46	Single Tray	•		10 x 96
783211			Single Tray	•	•	10 x 96
790200	● 0,5-200 µl	51	Single Tray	•		10 x 96
790201			Single Tray	•	•	10 x 96
790202			Refill Tower			10 x 96
790203			Refill Pack	•	•	15 x 96
LH-B790204			FlexiBulk®	•		960
790350	● 5-350 µl	54	Single Tray	•		10 x 96
790351			Single Tray	•	•	10 x 96
790352			Refill Tower			10 x 96
790353			Refill Pack	•	•	15 x 96
LH-B790354			FlexiBulk®	•		960
791000	● 10-1000 µl	71,5	Single Tray	•		10 x 96
791001			Single Tray	•	•	10 x 96
791002			Refill Pack	•		10 x 96
791003			Refill Pack	•	•	10 x 96
LH-B791004			FlexiBulk®	•		480
791020	● 10-1000 µl Wide-bore tip	68,5	Single Tray	•		10 x 96
791021			Single Tray	•	•	10 x 96
LH-B791024			FlexiBulk®	•		480
791200	● 50-1200 µl	71,5	Single Tray	•		10 x 96
791201			Single Tray	•	•	10 x 96
791202			Refill Pack	•		10 x 96
791203			Refill Pack	•	•	10 x 96
LH-B791204			FlexiBulk®	•		480
791210	● 50-1200 µl Extended	90	Single Tray	•		10 x 96
791211			Single Tray	•	•	10 x 96
791212			Refill Pack	•		10 x 96
791213			Refill Pack	•	•	10 x 96
780304	● 100-5000 µl	150	Single Tray	•		50
780305			Single Tray	•	•	50
780300			Bulk in Box			100
780308			Bulk in Box			1000
LH-780316	● 1-10 ml	155	Bulk in Box			250
780310*	0,5-10 ml	242	Bulk in Box			100

* For Midi Plus pipetting controller

Optifit Tips are also available as Low Retention Tips in Single Tray and Refill Pack packages, with volumes up to 1200 µl.



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