thermo scientific

Tips that help protect the pipettes in your lab

Thermo Scientific ART Pipette Tips Selection Guide

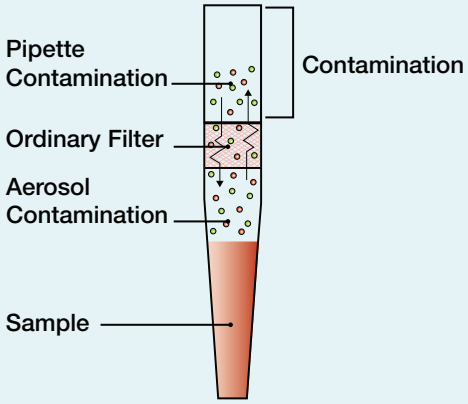
ThermoFisher SCIENTIFIC

Complete protection for your samples

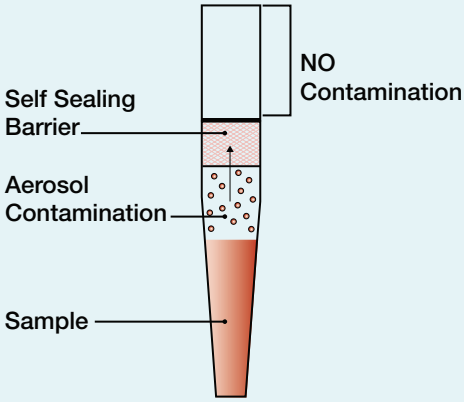
When using Thermo Scientific™ ART™ Barrier Tips, the self-sealing barrier helps protect both pipettes and samples against contamination, blocking the passage of:

- Aerosols
- Liquids
- Radioisotope-labeled samples
- Biological materials

Pipette tips with traditional filter



Pipette tips with ART Barrier



How to use the ART Pipette Tip selection guide:

Step 1: Determine if you need Barrier or Non-filtered Tips

Barrier Tips: Designed to help prevent contamination of pipettes and cross-contamination of samples.

Non-filtered Tips: These tips are suitable when contamination is not a concern.

Step 2: Choose your tip type

Standard Tips: Designed to be compatible with your pipette of choice, regardless of brand. Available in barrier and non-filtered tips.

Extended Length Tips: Reach the bottom of nearly any plate or tube with Extended Length or REACH™ Pipette Tips, available in sterile barrier, sterile non-filtered, or non-sterile non-filtered versions.

Wide-bore Tips: Designed with wide bore orifice for genomic applications, pipetting viscous liquids, and preventing shearing of cells or DNA when pipetting. Available in barrier and non-filtered versions.

Gel Loading Tips: The long tapered distal end fits between glass plates and directly into wells of acrylamide and agarose gels. Available in barrier and non-filtered versions.

Step 3: Choose packaging style

Hinged Racks: The versatile hinged rack provides one-handed access to tips and converts easily to a traditional lift-off lid rack.

ART Reload Inserts: an environmentally-friendly packaging option with a single tray of tips in a blister cup. ART reload inserts reduce waste by up to 25%.

ART Reload Towers: an environmentally-friendly packaging option with reload trays of tips nested in a space saving tower for easy refilling of ART tip racks.

Lift-off Lid Racks: A traditional packaging format with a non-integrated lid that removes completely.

Thermo Scientific™ ART™ Pipette Tips specifications and ordering information

ART Pipette Tips with barrier, sterile

Volume	Description	Packaging	Length (mm)	Inner diameter (mm)	Standard tip part number	Low retention tip part number
Tips packaged in hinged racks						
10 µL	ART 10, barrier, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	31.3	0.4064	2139-HR	2139-05-HR
10 µL	ART 10 ultra-micro, barrier, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	45.7	0.4572	2149E-HR	2149E-05-HR
20 µL	ART 20 ultra-micro, barrier, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	45.7	0.4572	2149-HR	2149-05-HR
20 µL	ART 20, barrier, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	50.4	0.5588	2149P-HR	2149P-05-HR
100 µL	ART 100E, barrier, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	50.4	0.5588	2065E-HR	2065E-05-HR
200 µL	ART 200, barrier, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	58.8	0.5334	2069-HR	2069-05-HR
300 µL	ART 300, barrier, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	58.4	0.4572	2070-HR	2070-05-HR
1000 µL	ART 1000, barrier, sterile	96 tips/rack, 8 racks/pk, 4 pks/cs	88.9	0.8128	2179-HR	2179-05-HR
Tips packaged in reload inserts						
10 µL	ART 10, barrier, sterile	96 tips/insert, 10 inserts/pk, 5 pks/cs	31.3	0.4064	2139-RI	2139-05-RI
10 µL	ART 10 ultra-micro, barrier, sterile	96 tips/insert, 10 inserts/pk, 5 pks/cs	45.7	0.4572	2149E-RI	2149E-05-RI
20 µL	ART 20, barrier, sterile	96 tips/rack, 10 inserts/pk, 5 pks/cs	50.4	0.5588	2149P-RI	2149P-05-RI
100 µL	ART 100E, barrier, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	50.4	0.5588	2065E-RI	2065E-05-RI
200 µL	ART 200, barrier, sterile	96 tips/insert, 10 inserts/pk, 5 pks/cs	58.8	0.5334	2069-RI	2069-05-RI
1000 µL	ART 1000, barrier, sterile	96 tips/insert, 8 inserts/pk, 4 pks/cs	88.9	0.8128	2179-RI	2179-05-RI
Tips packaged in reload towers						
10 µL	ART 10, barrier, sterile	96 tips/insert, 10 inserts/pk, 5 pks/cs	31.3	0.4064	2139-RT	2139-05-RT
20 µL	ART 20, barrier, sterile	96 tips/insert, 10 inserts/pk, 5 pks/cs	50.4	0.5588	2149P-RT	2149P-05-RT
200 µL	ART 200, barrier, sterile	96 tips/insert, 10 inserts/pk, 5 pks/cs	58.8	0.5334	2069-RT	2069-05-RT
300 µL	ART 300, barrier, sterile	96 tips/insert, 10 inserts/pk, 5 pks/cs	58.1	0.4572	2070-RT	2070-05-RT
1000 µL	ART 1000, barrier, sterile	96 tips/insert, 8 inserts/pk, 4 pks/cs	88.9	0.8128	2179-RT	2179-05-RT
Tips packaged in racks with lift-off lids						
10 µL	ART 10, barrier,, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	31.3	0.4064	2139	2139-05
20 µL	ART 20, ultra-micro, barrier, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	45.7	0.4572	2149	--
20 µL	ART 20, barrier, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	50.4	0.5588	2149P	2149P-05
100 µL	ART 100E barrier, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	50.4	0.5588	2065E	2065E-05
200 µL	ART 200, barrier, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	58.8	0.5334	2069	2069-05
1000 µL	ART 1000E, barrier, sterile	100 tips/rack, 8 racks/pk, 4 pks/cs	88.0	0.8636	2079E	--
1000 µL	ART 1000, soft fit, barrier, sterile	100 tips/rack, 8 racks/pk, 4 pks/cs	78.8	0.8382	2279	2279-05

ART Pipette Tips, non-filtered, sterile

Volume	Description	Packaging	Length (mm)	Inner Diameter (mm)	Standard tip part number	Low retention tip part number
Tips packaged in hinged racks						
10 µL	ART 10, non-filtered, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	31.3	0.4064	3501-HR	3501-05-HR
20 µL	ART 20 ultra micro, non-filtered, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	45.7	0.4572	3521-HR	3521-05-HR
200 µL	ART 200, non-filtered, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	50.4	0.5588	3551-HR	3551-05-HR
300 µL	ART 300, non-filtered, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	58.4	0.4572	3771-HR	3771-05-HR
1000 µL	ART 1000, non-filtered, sterile	96 tips/rack, 8 racks/pk, 4 pks/cs	88.0	0.8128	3101-HR	3101-05-HR
Tips packaged in reload towers						
10 µL	ART 10, non-filtered, sterile	96 tips/insert, 10 inserts/pk, 5 pks/cs	31.3	0.4064	3501-RT	3501-05-RT
20 µL	ART 20, ultra micro, non-filtered, sterile	96 tips/insert, 10 inserts/pk, 5 pks/cs	45.7	0.4572	3521-RT	3521-05-RT
200 µL	ART 200, non-filtered, sterile	96 tips/insert, 10 inserts/pk, 5 pks/cs	50.4	0.5588	3551-RT	3551-05-RT
300 µL	ART 300, non-filtered, sterile	96 tips/insert, 10 inserts/pk, 5 pks/cs	58.4	0.4572	3771-RT	3771-05-RT
1000 µL	ART 1000, non-filtered, sterile	96 tips/insert, 8 inserts/pk, 4 pks/cs	88.0	0.8128	3101-RT	3101-05-RT

ART Pipette Tips, non-filtered, non-sterile

Volume	Description	Packaging	Length (mm)	Inner Diameter (mm)	Standard tip part number	Low retention tip part number
Tips packaged in hinged racks						
10 µL	ART 10, non-filtered, non-sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	31.3	0.4064	3502-HR	3502-05-HR
20 µL	ART 20 ultra micro, non-filtered, non-sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	45.7	0.4572	3522-HR	3522-05-HR
200 µL	ART 200, non-filtered, non-sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	50.4	0.5588	3552-HR	3552-05-HR
300 µL	ART 300, non-filtered, non-sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	58.4	0.4572	3772-HR	3772-05-HR
1000 µL	ART 1000, non-filtered, non-sterile	96 tips/rack, 8 racks/pk, 4 pks/cs	88.0	0.8128	3102-HR	3102-05-HR
Tips packaged in reload towers						
10 µL	ART 10, non-filtered, non-sterile	96 tips/insert, 10 inserts/pk, 5 pks/cs	31.3	0.4064	3502-RT	3502-05-RT
20 µL	ART 20 ultra micro, non-filtered, non-sterile	96 tips/insert, 10 inserts/pk, 5 pks/cs	45.7	0.4572	3522-RT	3522-05-RT
200 µL	ART 200, non-filtered, non-sterile	96 tips/insert, 10 inserts/pk, 5 pks/cs	50.4	0.5588	3552-RT	3552-05-RT
300 µL	ART 300, non-filtered, non-sterile	96 tips/insert, 10 inserts/pk, 5 pks/cs	58.4	0.4572	3772-RT	3772-05-RT
1000 µL	ART 1000, non-filtered, non-sterile	96 tips/insert, 8 inserts/pk, 4 pks/cs	88.0	0.8128	3102-RT	3102-05-RT

Discovery awaits you

Designed with tight closures to **prevent contamination**, **Thermo Scientific™ Screw Cap Micro Tubes** provide the **confidence** and **security** necessary for small samples to **lead to big discoveries**.

thermofisher.com/microtubes

ART Extended Length Pipette Tips with barrier, sterile

Volume	Description	Packaging	Length (mm)	Inner diameter (mm)	Standard tip part number	Low retention tip part number
Tips packaged in hinged racks						
10 µL	ART 10 REACH, barrier, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	43.3	0.4318	2140-HR	2140-05-HR
200 µL	ART 200 REACH, barrier, sterile	96 tips/rack, 8 racks/pk, 5 pks/cs	90.9	0.4572	2160P-HR	2160P-05-HR
1000 µL	ART 1000 REACH, barrier, sterile	96 tips/rack, 8 racks/pk, 4 pks/cs	118.5	0.7112	2079-HR	2079-05-HR
1250 µL	ART 1250 REACH, barrier, sterile	96 tips/rack, 8 racks/pk, 4 pks/cs	102.2	0.7874	2080-HR	2080-05-HR
Tips packaged in reload inserts						
10 µL	ART 10 REACH, barrier, sterile	96 tips/insert, 10 insert/pk, 5 pks/cs	43.3	0.4318	2140-RI	2140-05-RI
Tips packaged in racks with lift-off lids						
10 µL	ART 10 REACH, barrier, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	43.3	0.4318	2140	2140-05
200 µL	ART 200 REACH, barrier, sterile	96 tips/rack, 8 racks/pk, 4 pks/cs	90.9	0.4572	2160P	—
1000 µL	ART 1000 REACH, barrier, sterile	96 tips/rack, 8 racks/pk, 4 pks/cs	118.5	0.7112	2079	—

ART Extended Length Pipette Tips, non-filtered, sterile

Volume	Description	Packaging	Length (mm)	Inner diameter (mm)	Standard tip part number	Low retention tip part number
Tips packaged in hinged racks						
10 µL	ART 10 REACH, non-filtered, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	43.3	0.4318	3511-HR	3511-05-HR
200 µL	ART 200 REACH, non-filtered, sterile	96 tips/rack, 8 racks/pk, 5 pks/cs	90.9	0.4572	3541-HR	3541-05-HR
1000 µL	ART 1000 REACH, non-filtered, sterile	96 tips/rack, 8 racks/pk, 4 pks/cs	118.5	0.7112	3791-HR	3791-05-HR
1250 µL	ART 1250 REACH, non-filtered, sterile	96 tips/rack, 8 racks/pk, 4 pks/cs	102.2	0.7874	3151-HR	3151-05-HR

ART Extended Length Pipette Tips, non-filtered, non-sterile

Volume	Description	Packaging	Length (mm)	Inner diameter (mm)	Standard tip part number	Low retention tip part number
Tips packaged in hinged racks						
10 µL	ART 10 REACH, non-filtered, non-sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	43.4	0.4138	3512-HR	3512-05-HR
200 µL	ART 200 REACH, non-filtered, non-sterile	96 tips/rack, 8 racks/pk, 5 pks/cs	90.9	0.4572	3542-HR	3542-05-HR
1000 µL	ART 1000 REACH, non-filtered, non-sterile	96 tips/rack, 8 racks/pk, 4 pks/cs	118.5	0.7112	3792-HR	3792-05-HR
1250 µL	ART 1250 REACH, non-filtered, non-sterile	96 tips/rack, 8 racks/pk, 4 pks/cs	102.2	0.7874	3152-HR	3152-05-HR

Have a Rainin™ LTS-style Pipette?
Contact your sales representative for our complete selection of Thermo Scientific™ SoftFit-L Pipette Tips.

ART Gel Loading Pipette Tips with barrier, sterile

Volume	Description	Packaging	Length (mm)	Inner Diameter (mm)	Part number
Tips packaged in racks with lift-off lids					
20 µL	ART 20 GEL, barrier, sterile	96 tips/rack, 10 racks/pk, 4 pks/cs	68.6	0.3048	2155P
100 µL	ART 100 GEL, barrier, sterile	96 tips/rack, 10 racks/pk, 4 pks/cs	68.6	0.3048	2155

ART Gel Loading Pipette Tips, non-filtered, non-sterile

Volume	Description	Packaging	Length (mm)	Inner diameter (mm)	Part number
Tips packaged in racks with lift-off lids					
200 µL	ART 200GEL, round, non-filtered, non-sterile	200 tips/rack, 4 racks/cs	82.6	0.3048	3621

ART Genomic (Wide Bore) Pipette Tips with barrier, sterile

Volume	Description	Packaging	Length (mm)	Inner diameter (mm)	Part number
Tips packaged in racks with lift-off lids					
200 µL	ART 200G XL barrier, sterile	96 tips/rack, 8 racks/pk, 4 pks/cs	91.0	1.016	2160G
200 µL	ART 200G, barrier, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	49.8	1.4986	2069G
1000 µL	ART 1000G, barrier, sterile	100 tips/rack, 8 racks/pk, 4 pks/cs	85.4	1.4732	2079G

thermo scientific

ART Genomic (Wide Bore) Pipette Tips, non-filtered, sterile

Volume	Description	Packaging	Length (mm)	Inner diameter (mm)	Part number
Tips packaged in racks with lift-off lids					
200 µL	ART 200G XL, non-filtered, sterile	96 tips/rack, 8 racks/pk, 4 pks/cs	91.0	1.016	3701
200 µL	ART 200G non-filtered, sterile	96 tips/rack, 10 racks/pk, 5 pks/cs	49.8	1.4986	3531
1000 µL	ART 1000G non-filtered, sterile	100 tips/rack, 8 racks/pk, 4 pks/cs	85.4	1.4732	3591

ART Genomic (Wide Bore) Pipette Tips, non-filtered, non-sterile

Volume	Description	Packaging	Length (mm)	Inner diameter (mm)	Part number
Tips packaged in racks with lift-off lids					
200 µL	ART 200G XL, non-filtered, non-sterile	96 tips/rack, 8 racks/pk, 4 pks/cs	91.0	1.016	3702
1000 µL	ART 1000G XL, non-filtered, non-sterile	100 tips/rack, 8 racks/pk, 4 pks/cs	85.4	1.4732	3592

ART empty racks

Description	Packaging	Part number
Small for 10 µL tips and 20 µ L non-filtered tips	10 racks/pack, 5 packs/case, sterile	2004-ER
Medium for 20 µL, 200 µL, 300 µL tips	10 racks/pack, 5 packs/case, sterile	2006-ER
Large for 1000 µL tips	8 racks/pack, 4 packs/case, sterile	2008-ER

Note: ART Reload Towers and Reload inserts are designed for use with ART tip racks

Achieve optimal performance of your pipette with calibration and maintenance services.
Contact our service depot at 800-345-0206, choose option 3. Or, request service online at www.unitylabservices.com/en/instrument-services/pipette-global.html

Find out more at **thermofisher.com/artpipettetips**

ThermoFisher SCIENTIFIC

This product is intended for General Laboratory Use. It is the customer's responsibility to ensure that the performance of the product is suitable for customers' specific use or application. © 2019 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified. **ARTSELECTOR 1119**