

# Tips that help protect the pipettes in your lab



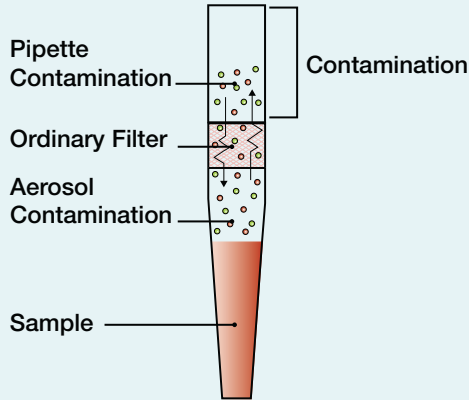
Thermo Scientific ART Pipette Tips  
Selection Guide

# Complete protection for your samples

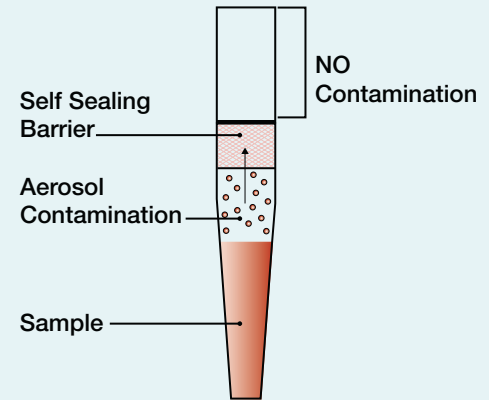
When using Thermo Scientific™ ART™ Barrier Tips, the self-sealing barrier helps protect both pipettes and samples against contamination, blocking the passage of:

- 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	
<b>Tips packaged in hinged racks</b>							
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	
<b>Tips packaged in reload inserts</b>							
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	
<b>Tips packaged in reload towers</b>							
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	
<b>Tips packaged in racks with lift-off lids</b>							
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
<b>Tips packaged in hinged racks</b>						
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
<b>Tips packaged in reload towers</b>						
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
<b>Tips packaged in hinged racks</b>						
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
<b>Tips packaged in reload towers</b>						
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](http://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
<b>Tips packaged in hinged racks</b>						
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
<b>Tips packaged in reload inserts</b>						
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
<b>Tips packaged in racks with lift-off lids</b>						
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
<b>Tips packaged in hinged racks</b>						
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
<b>Tips packaged in hinged racks</b>						
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
<b>Tips packaged in racks with lift-off lids</b>					
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
<b>Tips packaged in racks with lift-off lids</b>					
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
<b>Tips packaged in racks with lift-off lids</b>					
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

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

Volume	Description	Packaging	Length (mm)	Inner diameter (mm)	Part number
<b>Tips packaged in racks with lift-off lids</b>					
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
<b>Tips packaged in racks with lift-off lids</b>					
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

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Find out more at [thermofisher.com/artpipettetips](http://thermofisher.com/artpipettetips)