

Špičky Thermo Scientific ART

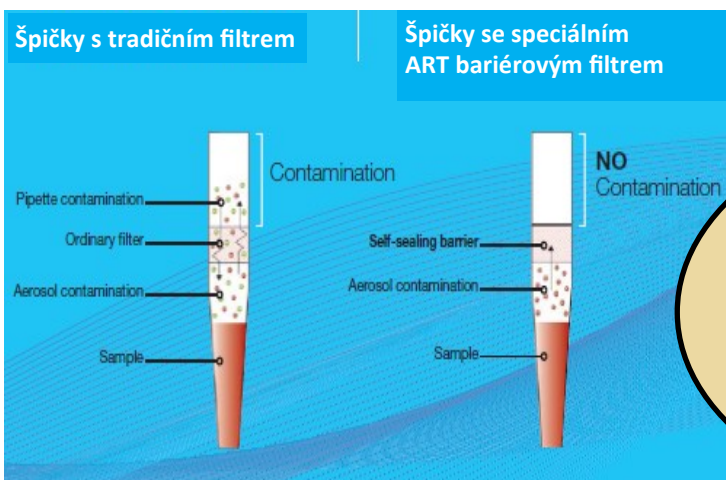
nesmáčivé (Low Retention)

Široká nabídka univerzálních špiček vysoké kvality

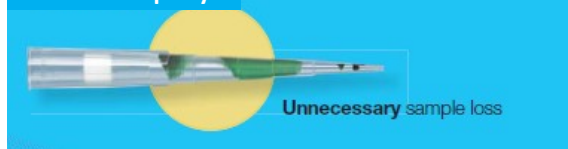
- kompatibilní s pipetami různých výrobců
- různá provedení:
- bez filtru / se speciálním bariérovým filtrem (ART Barrier)
- sterilní / nesterilní
- rozsah od 10 µl do 1250 µl

Špičky jsou certifikovány a splňují nejvyšší standardy kvality:

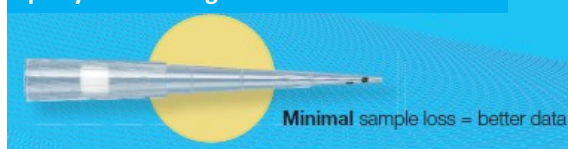
- sterilita (SAL): 10^{-6}
- bez DNase, RNase a ATP, lidské DNA, bez přítomnosti PCR inhibitorů a pyrogenů



Standardní špičky



Špičky s technologií Low Retention



Low Retention Technology

- špičky s vnitřním hydrofobním povrchem (**NESMÁČIVÉ**), při pipetování se minimalizují ztráty vzorku, reagensů

Špička s filtrem ART Barrier

- speciální bariérový filtr poskytuje 100% ochranu před kontaminací jak pipety, tak vzorku (aerosolem, kapalinou, značenými radioizotopy, biologickým materiálem)

- potenciální kontaminanty se uvnitř bariérového filtru zachytí / bariérou neprojdou, čímž se zabrání kontaminaci pipety i při nasátí nadměrného množství kapaliny do špičky

Vyberte si kompatibilní špičky pro vaše pipety - využijte selektor špiček na webových stránkách výrobce ThermoFisher Scientific:

Compatible Pipette Tip Selection Tool - Thermo Fisher

- vyberte pipetu (výrobce, typ)
- vyberte variantu pipety fixní nebo nastavitelnou
- zvolte rozsah objemu pipety
- filtrujte z nabídky špiček podle požadovaných vlastností (čistoty, typu balení ...)
- zobrazí se nabídka vhodných dostupných špiček



Špičky s technologií Low Retention (nesmáčivé) - standardní:





Katal. číslo	Popis	Balení	Délka (mm)
10 µL			
			
3502-05-HR •	ART 10 LR, Non-Filtered Tip	Racked, Nonsterile, 96 tips/tray, 10 trays/pack, 5 packs/case	31.3
3501-05-HR	ART 10 LR, Non-Filtered Tip	Racked, Sterile, 96 tips/tray, 10 trays/pack, 5 packs/case	31.3
3502-05-RT*	ART 10 LR, Non-Filtered Tip	Reload Tower, Nonsterile, 96 tips/Tray, 10 trays/pack, 5 packs/case	31.3
3501-05-RT*	ART 10 LR, Non-Filtered Tip	Reload Tower, Sterile, 96 tips/Tray, 10 trays/pack, 5 packs/case	31.3
3500-05	ART 10 LR, Non-Filtered Tip	Bulk, Nonsterile, 1000 tips/bag, 10 bags/case	31.3 již není v nabídce
2139-05-HR •	ART 10 LR, Barrier Tip	Racked, Filtered, Sterile, 96 tips/tray, 10 trays/pack, 5 packs/case	31.3
2139-05-RT*	ART 10 LR, Barrier Tip	Reload Tower, Sterile, 96 tips/Tray, 10 trays/pack, 5 packs/case	31.3
10/20 µL			
			
3522-05-HR •	ART 20 Ultra-micro, Non-Filtered Tip	Racked, Non-sterile, 96 tips/tray, 10 trays/pack, 5 packs/case	45.7
3521-05-HR	ART 20 Ultra-micro, Non-Filtered Tip	Racked, Sterile, 96 tips/tray, 10 trays/pack, 5 packs/case	45.7
3522-05-RT*	ART 20 Ultra-micro, Non-Filtered Tip	Reload Tower, Non-Sterile, 96 tips/Tray, 10 trays/pack, 5 packs/case	45.7
3521-05-RT*	ART 20 Ultra-micro, Non-Filtered Tip	Reload Tower, Sterile, 96 tips/Tray, 10 trays/pack, 5 packs/case	45.7
3520-05	ART 20 Ultra-micro, Non-Filtered Tip	Bulk, Non-sterile, 1000 tips/bag, 10 bags/case	45.7
2149E-05-HR •	ART 10 Ultra-micro, Barrier Tip	Racked, Sterile, 96 tips/tray, 10 trays/pack, 5 packs/case	45.7
2149-05-HR •	ART 20 Ultra-micro, Barrier Tip	Racked, Sterile, 96 tips/tray, 10 trays/pack, 5 packs/case	45.7 již není v nabídce
20 µL**			
			
2149P-05-HR •	ART 20 LR, Barrier Tip	Racked, Filtered, Sterile, 96 tips/tray, 10 trays/pack, 5 packs/case	50.7
2149P-05-RT*	ART 20 LR, Barrier Tip	Reload Tower, Sterile, 96 tips/Tray, 10 trays/pack, 5 packs/case	50.7
200 µL			
			
3552-05-HR •	ART 200 LR, Non-Filtered Tip	Racked, Nonsterile, 96 tips/tray, 10 trays/pack, 5 packs/case	50.7
3551-05-HR	ART 200 LR, Non-Filtered Tip	Racked, Sterile, 96 tips/tray, 10 trays/pack, 5 packs/case	50.7
3552-05-RT*	ART 200 LR, Non-Filtered Tip	Reload Tower, Nonsterile, 96 tips/Tray, 10 trays/pack, 5 packs/case	50.7
3551-05-RT*	ART 200 LR, Non-Filtered Tip	Reload Tower, Sterile, 96 tips/Tray, 10 trays/pack, 5 packs/case	50.7
3550-05	ART 200 LR, Non-Filtered Tip	Bulk, Nonsterile, 1000 tips/bag, 10 bags/case	50.7
2069-05-HR •	ART 200 LR, Barrier Tip	Racked, Filtered, Sterile, 96 tips/tray, 10 trays/pack, 5 packs/case	58.8
2069-05-RT*	ART 200 LR, Barrier Tip	Reload Tower, Sterile, 96 tips/Tray, 10 trays/pack, 5 packs/case	58.8
300 µL			
			
3772-05-HR •	ART 300 LR, Non-Filtered Tip	Racked, Nonsterile, 96 tips/tray, 10 trays/pack, 5 packs/case	58.4
3771-05-HR	ART 300 LR, Non-Filtered Tip	Racked, Sterile, 96 tips/tray, 10 trays/pack, 5 packs/case	58.4
3772-05-RT*	ART 300 LR, Non-Filtered Tip	Reload Tower, Nonsterile, 96 tips/Tray, 10 trays/pack, 5 packs/case	58.4
3771-05-RT*	ART 300 LR, Non-Filtered Tip	Reload Tower, Sterile, 96 tips/Tray, 10 trays/pack, 5 packs/case	58.4
3772-05-B	ART 300 LR, Non-Filtered Tip	Bulk, Nonsterile, 1000 tips/bag, 10 bags/case	58.4 již není v nabídce
2070-05-HR •	ART 300 LR, Barrier Tip	Racked, Filtered, Sterile, 96 tips/tray, 10 trays/pack, 5 packs/case	58.4
2070-05-RT*	ART 300 LR, Barrier Tip	Reload Tower, Sterile, 96 tips/Tray, 10 trays/pack, 5 packs/case	58.4
1000 µL			
			
3102-05-HR •	ART 1000 LR, Non-Filtered Tip	Racked, Nonsterile, 96 tips/tray, 8 trays/pack, 4 packs/case	88.9
3101-05-HR	ART 1000 LR, Non-Filtered Tip	Racked, Sterile, 96 tips/tray, 8 trays/pack, 4 packs/case	88.9
3102-05-RT*	ART 1000 LR, Non-Filtered Tip	Reload Tower, Nonsterile, 56 tips/Tray, 10 trays/pack, 5 packs/case	88.9
3101-05-RT*	ART 1000 LR, Non-Filtered Tip	Reload Tower, Sterile, 56 tips/Tray, 10 trays/pack, 5 packs/case	88.9
2179-05-HR •	ART 1000 LR, Barrier Tip	Racked, Filtered, Sterile, 96 tips/tray, 8 trays/pack, 4 packs/case	88.9
2179-05-RT*	ART 1000 LR, Barrier Tip	Reload Tower, Sterile, 56 tips/Tray, 10 trays/pack, 5 packs/case	88.9

• zobrazené špičky

*potřebná prázdná krabička (-RT)

**200µl špičky bez filtru lze použít s většinou pipet objemu 20µl

Špičky s technologií Low Retention (nesmáčivé) - prodloužené

Katal. číslo	Popis	Balení	Délka (mm)
10 µL			
			
3512-05-HR	ART 10 REACH LR, Non-Filtered Tip	Racked, Nonsterile, 96 tips/tray, 10 trays/pack, 5 packs/case	43.4
3511-05-HR	ART 10 REACH LR, Non-Filtered Tip	Racked, Sterile, 96 tips/tray, 10 trays/pack, 5 packs/case	43.4
3510-05	ART 10 REACH LR, Non-Filtered Tip	Bulk, Nonsterile, 1000 tips/bag, 10 bags/case	43.4
2140-05-HR	ART 10 REACH LR, Barrier Tip	Racked, Filtered, Sterile, 96 tips/tray, 10 trays/pack, 5 packs/case	43.3
200 µL			
			
3542-05-HR	ART 200 REACH LR, Non-Filtered Tip	Racked, Nonsterile, 96 tips/tray, 8 trays/pack, 5 packs/case	90.9
3541-05-HR	ART 200 REACH LR, Non-Filtered Tip	Racked, Sterile, 96 tips/tray, 8 trays/pack, 5 packs/case	90.9
2160P-05-HR	ART 200 REACH LR, Barrier Tip	Racked, Filtered, Sterile, 96 tips/tray, 8 trays/pack, 5 packs/case	90.9
1000 µL			
			
3792-05-HR	ART 1000 REACH LR, Non-Filtered Tip	Racked, Nonsterile, 96 tips/tray, 8 trays/pack, 4 packs/case	118.5
3791-05-HR	ART 1000 REACH LR, Non-Filtered Tip	Racked, Sterile, 96 tips/tray, 8 trays/pack, 4 packs/case	118.5
2079-05-HR	ART 1000 REACH LR, Barrier Tip	Racked, Filtered, Sterile, 96 tips/tray, 8 trays/pack, 4 packs/case	118.5
1250 µL			
			
3152-05-HR	ART 1250 REACH LR, Non-Filtered Tip	Racked, Nonsterile, 96 tips/tray, 8 trays/pack, 4 packs/case	102.2
3151-05-HR	ART 1250 REACH LR, Non-Filtered Tip	Racked, Sterile, 96 tips/tray, 8 trays/pack, 4 packs/case	102.2
2080-05-HR	ART 1250 REACH LR, Barrier Tip	Racked, Filtered, Sterile, 96 tips/tray, 8 trays/pack, 4 packs/case	102.2

● zobrazené špičky *potřebná prázdná krabička (-RT) **200µl špičky bez filtru lze použít s většinou pipet objemu 20µl

Prázdné sterilní krabičky, balení 5x10ks: kat.č. 2004-ER (pro 10µl, 20µl bez filtru), kat.č. 2006-ER (pro 20µl B,200µl,300µl), Kat.č. 2004-ER (pro 1000µl)

Certifikovaná kvalita špiček: sterilní; bez DNase, RNase a ATP, lidské DNA, bez přítomnosti PCR inhibitorů a pyrogenů

Sterility Assurance Level (SAL):10⁻⁶

Sterility Assurance Level for sterilized products is ensured by irradiating the product according to ANSI/AAMI/ISO 11137- 2015 guidelines.

Molecular BioProducts Inc., a part of Thermo Fisher Scientific Inc., hereby certifies that these products are manufactured in a controlled environment in accordance with established manufacturing guidelines, quality requirements and product specifications. They are certified, by validation of the manufacturing processes, to be free of the following contaminants:

Pro sterilní i nesterilní špičky:

- Human and mouse DNA (Deoxyribonucleic Acid) : < 30 pg
- Ribonuclease (RNase): < 10-9 Kunitz Units/µl
- Deoxyribonuclease (DNase): < 10-7 Kunitz Units/µl
- PCR Inhibitors: not present Endotoxin (Pyrogen) < 0.06 EU/ml
- Adenosine-5'-triphosphate (ATP) < 10-13 mg/µl

Nabídka různých typů balení:



Krabička s odklápěcím kloubně připevněným víčkem
Označení **HR (Hinged Rack)**



Jednotlivě balená platíčka se špičkami
Označení **RI (Reload Insert)**



Set Reload špiček - v balení platíčka se špičkami, vč. krabičky
Označení **RT (Reload Towers)**



Krabička s volně nasazeným víčkem
(Lift off Lid Rack)
- bez označení

Certifikát pro produktovou řadu špiček Thermo Scientific ART

ThermoFisher
SCIENTIFIC

Certificate of product line quality Art Pipette Tips product family

Thermo Fisher Scientific, Inc. certifies that the Thermo Scientific™ ART™ Pipette Tips product family has been manufactured in accordance with established manufacturing guidelines and product specifications.* These products are subject to rigorous quality inspections and conform to the highest internally established quality requirements as well as external standards as listed below.

The following quality control criteria apply to the aforementioned product family:

Item	Description
Materials	Products are produced with high grade polypropylene resins. Tips are produced with virgin polypropylene resin. Thermo Fisher Scientific does not use any latex or animal-based products or by-products for the manufacturing or packaging of its products.
Functional testing	Products undergo continuous quality controls regarding product function; this includes dimensional checks for visual inspection and functional inspection (weight of liquid).
Animal components	Bovine spongiform encephalopathy (BSE) and transmissible spongiform encephalopathies (TSE) (EMEA 410/01 compliant) regulatory statements. Our suppliers state the following concerning animal origin and TSE/BSE: <ul style="list-style-type: none">• When manufacturing the raw material (polypropylene), they do not use or intentionally add any ingredients of animal origin. Therefore the product is to be considered safe to use in food, pharmaceutical, and cosmetic contact applications with respect to TSE/BSE transmissions.• Tallow-derived additives may be used in the manufacturing of the raw material (polypropylene). The specifications of resins are available for more information regarding the additives or any other substances that may be used by the manufacturers. Product specifications may change without notice.
Bisphenol A (BPA) free*	BPA has not been used in the manufacturing process of the plastic in question.
Adenosine triphosphate (ATP) free	Products are tested for the presence of ATP using a luciferase-based detection assay. Products with ATP levels below the experimental baseline value are certified ATP-free in the range <10–13 mg/μL.

*This certification includes only the tips and not the packaging.

Available in Fit for Purpose



ISO 9001
Certified

ISO 14001
Certified

ISO 13485
Certified

Thermo Fisher Scientific, Inc. Quality Management System is certified in accordance with International Quality Management standards. All sites are certified to one or more Quality Management standards, refer to the [Site ISO Certifications](#) for copies of relevant ISO Certifications.

Changes to manufacturing procedures, packaging, and product specifications are documented and traceable. To receive notifications of product changes, register to receive changes through the following link www.thermofisher.com/registercustomersnotifications.

All products are fully traceable by lot number. For a lot-specific certificate, please Contact Us/ Technical Support ([Link](#)) and enter the product name or SKU.

For any additional information or inquiries, Contact Us for Support ([Link](#)) and choose the appropriate option.

Ravi Gupta
Vice President/General Manager,
Liquid Handling Solutions
Laboratory Plastics Essentials

Luis Peraz
Director, Quality Assurance
Laboratory Products

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