



Tips for Superior
Performance

DNV·GL

MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 194391-2015-AQ-IND-RvA
Initial certification date: 10, September, 2009
Valid: 10, September, 2018 - 09, September, 2021

This is to certify that the management system of
Tarsons Products Pvt. Ltd.
 Jasmine Tower, 31, Shakespeare Sarani, Kolkata - 700 017, West Bengal, India
 and the sites as mentioned in the appendix accompanying this certificate
 has been found to conform to the Quality Management System standard:
ISO 9001:2015

This certificate is valid for the following scope:
Manufacture and distribution of plastic labware

Place and date:
Chennai, 24, August, 2018


 The RvA is a signatory to the IAF MLA.

For the issuing office:
 DNV GL - Business Assurance
 ROMA, No. 10, GST Road, Alendur,
 Chennai - 600 016, India


 Sivadasan Madiyath
 Management Representative



Lack of fulfillment of conditions as set out in the Certification Agreement may render this Certificate invalid.
 ACCREDITED UNIT: DNV GL Business Assurance B.V., ZWOLLESEWEG 1, 2094 LB, SCHOONHECHT, NETHERLANDS. TEL: +31102932699.
 #DNVGLINDIA

Presafe
A DNV GL & NEMKO COMPANY

Management System Certificate

Certificate No: 259788-2016-AQ-IND-NA-PS Rev. 0.0
Project No: PRJC-352357-2011-MSC-IND
Initial Certification Date: 12 April 2016
Valid Until: 23 February 2021

This is to certify that the management system of:
Tarsons Products Pvt.Ltd.
 Jasmine Towers, Suite Number 213 - 214, 31 Shakespeare Sarani, Kolkata - 700 017, INDIA
 With sites as listed overleaf.

Complies with the requirements of:
ISO 13485:2016/NS-EN ISO 13485:2016

The Certificate is valid for the following scope:
Development, Manufacturing, Marketing and Supply of Sterile and Non-Sterile Plastic Labwares for Clinical and Medical use.

Place and Date:
Høvik, 12 April 2018


 For:
DNV GL NEMKO PRESAFE AS

 Eugenie Winger Husebye

Notice: This Certificate is subject to terms and conditions as set out in the Certification Agreement. Failure to comply may render this Certificate invalid.
 DNV GL NEMKO PRESAFE AS - Vårblåveien 2, N-1363 Høvik, Norway - Registered Enterprise No: NO 997 067 401 80VA
 The Certificate has been digitally signed. See www.dnvgl.com/india/india_certificates for more info.

MSD-00-078 Page 1 of 2

Exceptional Performance Everytime

The Tarsons range of Pipette Tips have been designed using medical grade resin that will provide researchers with exceptional liquid handling performance.

Our range of standard tips outperforms competitive tips in the areas of release and retention. Thinner walls and finely tapered ends provide better accuracy.

Tarsons Pipette Tips brings to you the highest level of liquid handling control and performance, with the combination of innovative resin chemistry and injection molding expertise.

Our portfolio of tips include the standard tips, MAXIPENSE™ tips - low retention, and the filter tips that provide complete protection from aerosols. Every tip is certified to meet the industry's highest standards for molding precision and clarity, and are certified free of detectable RNase, DNase and Pyrogen.

Maximum Sample Recovery with Tarsons MAXIPENSE™ Tips

Using advanced low-retention technology, the tip's hydrophobic inner surface significantly reduces sample loss due to adhesion and maximizes sample recovery.



Unnecessary Sample Loss in Standard Pipette Tips



Minimal Sample Loss in Tarsons MAXIPENSE™ Tips

Tarsons

Tips
are available in

- Standard Tips
- MAXIPENSE™ Tips
- Filter Tips



Complete protection with Tarsons Filter Tips

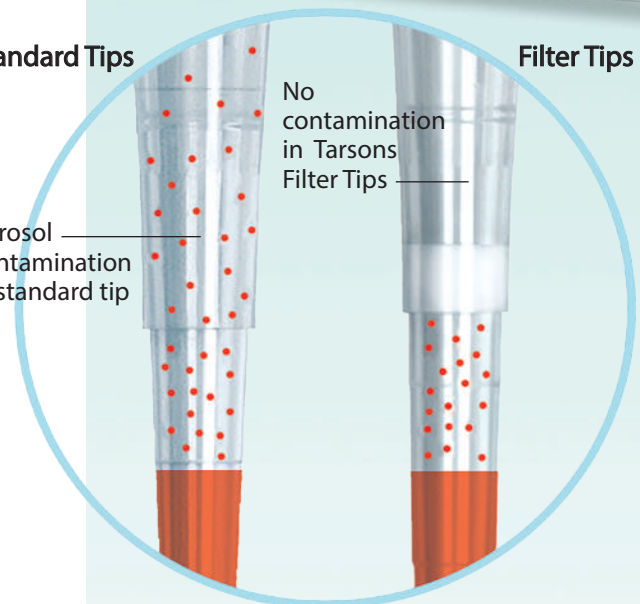
Barrier to aerosols, Tarsons Filter
Tips are designed to provide security from
aerosol contamination.

Standard Tips

Aerosol
contamination
in standard tip

Filter Tips

No
contamination
in Tarsons
Filter Tips





Tamper proof bags

These bags provide easy storage and access, are tamper proof and have a reusable zip lock. They are recyclable and economic, best suited for regular usage.



Perfectly crafted hinged racks

These boxes have optimized base geometry which provides secure handling. The racks can be stacked to save space - transparent lid allows clear viewing.



Refill Packs

Unique spacers make the tips nestable - space saving and contamination free design.



Unique Filter Tip Refill

Economic and sterile filter tip refill system, this arrangement allows easy reload. These are efficient space savers and are protected from contamination.



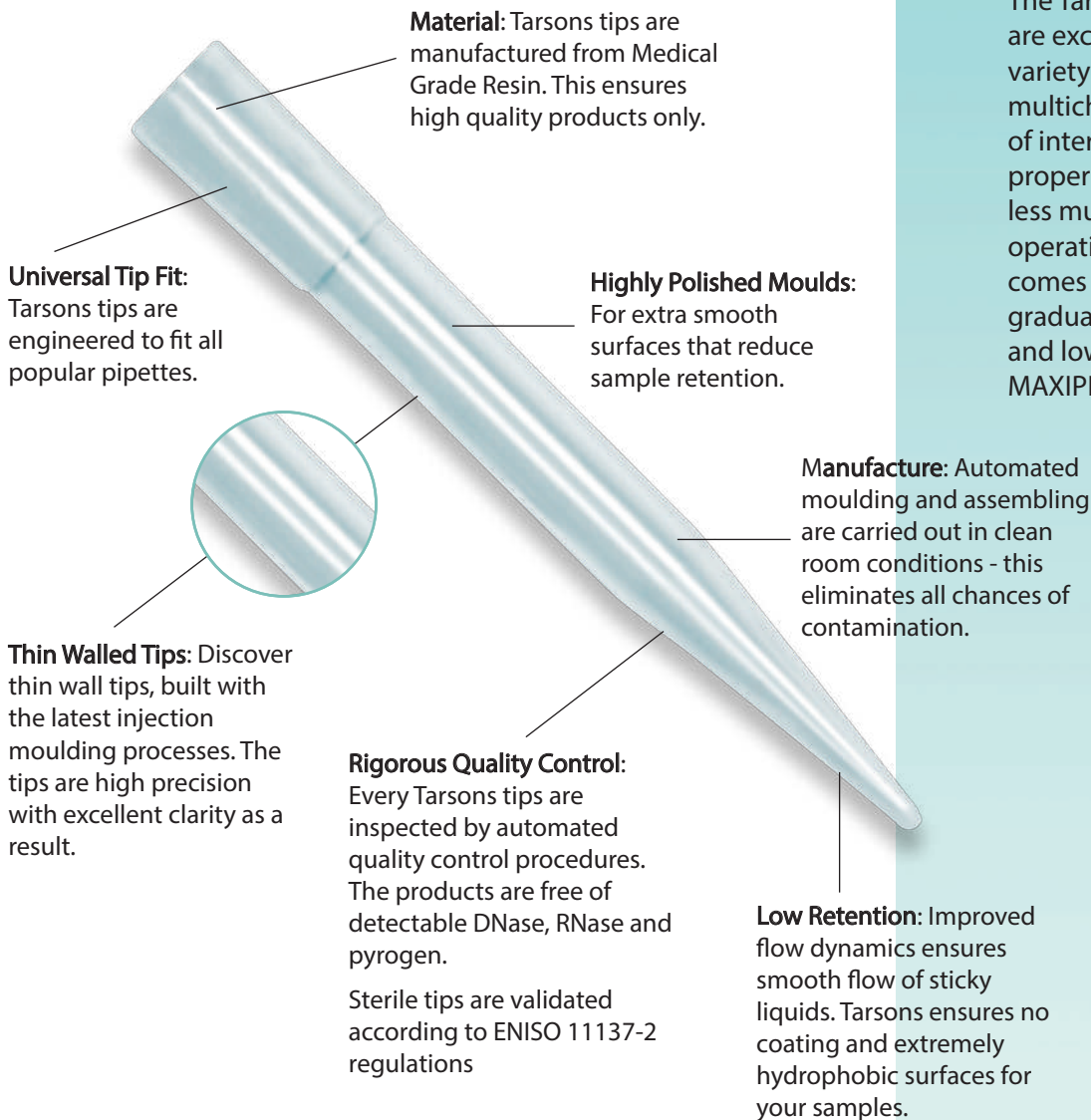
Sterile Purepacks

Individually wrapped sterile tips validated according to EN ISO 11137-2 regulations.

Tarsons

Micro Tip System

The Tarsons range of micro tips are exclusively designed to fit a variety of single and multichannel pipettors. A series of internal sealing rings ensures proper fit and easy ejection, with less muscular force required for operation. Tarsons Micro Tips comes in a range of extra large, graduated, beveled, filter tips, and low retention variety MAXIPENSE™ tips.



Universal Fit: The tip collar is designed in a way that it fits all popular pipettes

Certified: All the tips are certified free of detectable RNase, DNase and pyrogen.

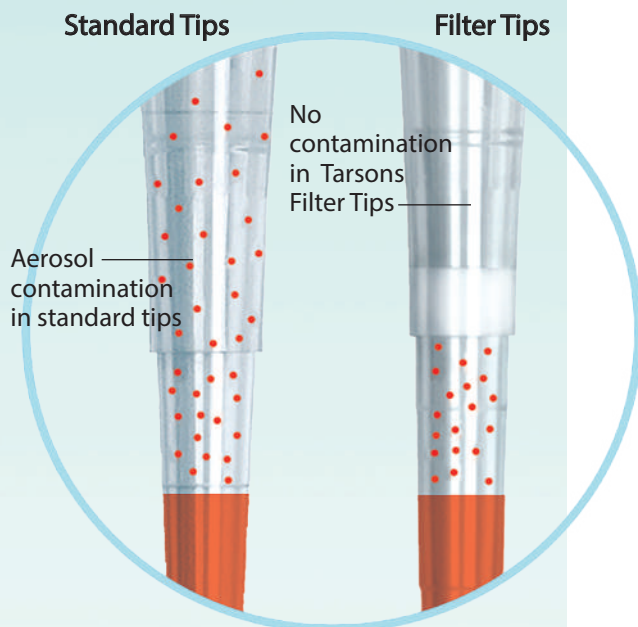
Enhanced Clarity Ensures Better Sample

Visibility: Modern injection moulding processes results in thin walled tips with high precision.

Tarsons

Filter Tips

Filter tips protect the sample from aerosols. A proper barrier to all contaminants, the tips come with reliable aerosol blocking technology. The tips are universal size compatible with all pipettes. Ideal for Molecular Biology / Microbiology / Cell Culture / radioactive applications, the TARSONS Filter Tips have hydrophobic polyethylene filter which protects sample from contamination that occurs due to aerosol transfer. Designed to be free of detectable DNase, RNase, and pyrogen. Crafted in perfect geometry and available in low retention MAXIPENSE™ variety.



Complete Sample protection

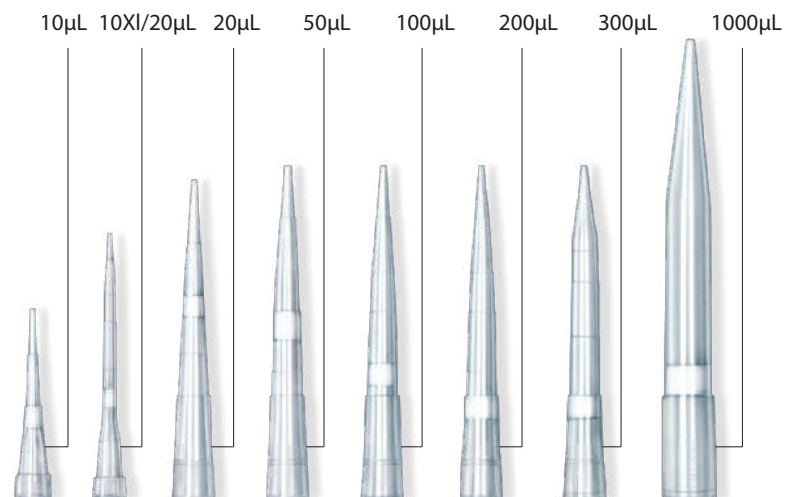
Protect your valuable samples against unwanted contamination by using Tarsons Filter Tips. While pipetting, the naked eye cannot detect fine aerosols that pass through the pipette. If they are, the accumulated aerosols can contaminate other samples that will be used later. Tarsons Filter Tips are proven to block maximum aerosols that disrupt your experiment.

Why use Tarsons Filter Tips?

The Best Quality: Tarsons filters are made from medical grade high density pure polyethylene (HDPE).

Ensured Safety: They contain no additives which can interfere with your sample.

Sample Retrieval: Tarsons MAXIPENSE™ filters are hydrophobic and will not absorb your samples, allowing complete recovery of your valuable samples.



The Tarsons Filter Tips fits all popular pipettes without any loss of accuracy or precision.

Reuse the Tip Racks and become economical and eco-friendly!

Tarsons Filter Tips

Pipette Tips Filter Bulk Bag (Non Sterile)

| Code | Capacity μL | Description | Packaging Unit/Case | Length mm | Graduated μL |
|--------|------------------------|--|---------------------|-----------|-------------------------|
| 527100 | 10 | Tip Universal Filter Grad Bulk - Non Sterile | 1000 / 20 | 34 | 2.5/10 |
| 527108 | 10XL/20 | Tip Universal Filter Grad Bulk - Non Sterile | 1000 / 20 | 44 | 1/5/10/20 |
| 527101 | 20 | Tip Universal Filter Grad Bulk - Non Sterile | 1000 / 10 | 53 | 10/50/100 |
| 527102 | 50 | Tip Universal Filter Grad Bulk - Non Sterile | 1000 / 10 | 55 | 10/50/100/200 |
| 527103 | 100 | Tip Universal Filter Grad Bulk - Non Sterile | 1000 / 10 | 55 | 10/50/100/200 |
| 527104 | 200 | Tip Universal Filter Grad Bulk - Non Sterile | 1000 / 10 | 55 | 10/50/100/200 |
| 527105 | 300 | Tip Universal Filter Grad Bulk - Non Sterile | 1000 / 10 | 55 | 50/100/200 |
| 527106 | 1000 | Tip Universal Filter Bulk - Non Sterile | 500 / 10 | 75 | NA |
| 527107 | 1250XL | Tip Universal Filter Bulk - Non Sterile | 500 / 10 | 98 | 200/500/1000 |

Pipette Tips Filter Racked (Sterile)

| Code | Capacity μL | Description | Packaging Unit Rack/Case | Length mm | Graduated μL |
|--------|------------------------|--|--------------------------|-----------|-------------------------|
| 528100 | 10 | Tip Universal Filter Grad Racked - Sterile | 96 x 10/5 | 34 | 2.5/10 |
| 528108 | 10XL/20 | Tip Universal Filter Grad Racked - Sterile | 96 x 10/5 | 44 | 1/5/10/20 |
| 528101 | 20 | Tip Universal Filter Grad Racked - Sterile | 96 x 10/5 | 53 | 10/50/100 |
| 528102 | 50 | Tip Universal Filter Grad Racked - Sterile | 96 x 10/5 | 55 | 10/50/100/200 |
| 528103 | 100 | Tip Universal Filter Grad Racked - Sterile | 96 x 10/5 | 55 | 10/50/100/200 |
| 528104 | 200 | Tip Universal Filter Grad Racked - Sterile | 96 x 10/5 | 55 | 10/50/100/200 |
| 528105 | 300 | Tip Universal Filter Grad Racked - Sterile | 96 x 10/5 | 55 | 50/100/200 |
| 528106 | 1000 | Tip Universal Filter Racked - Sterile | 96 x 10/5 | 75 | NA |
| 528107 | 1250XL | Tip Universal Filter Racked - Sterile | 96 x 10/5 | 98 | 200/500/1000 |

Filter MAXIPENSE™ Ultra Low Retention Tips Racked (Sterile)

| Code | Capacity μL | Description | Packaging Unit Rack/Case | Length mm | Graduated μL |
|--------|------------------------|---|--------------------------|-----------|-------------------------|
| 529100 | 10 | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Grad Racked - Sterile | 96 x 10/5 | 34 | 2.5/10 |
| 529108 | 10XL/20 | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Grad Racked - Sterile | 96 x 10/5 | 44 | 1/5/10/20 |
| 529101 | 20 | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Grad Racked - Sterile | 96 x 10/5 | 53 | 10/50/100 |
| 529102 | 50 | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Grad Racked - Sterile | 96 x 10/5 | 55 | 10/50/100/200 |
| 522103 | 100 | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Grad Racked - Sterile | 96 x 10/5 | 55 | 10/50/100/200 |
| 529104 | 200 | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Grad Racked - Sterile | 96 x 10/5 | 55 | 10/50/100/200 |
| 529105 | 300 | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Grad Racked - Sterile | 96 x 10/5 | 55 | 50/100/200 |
| 529106 | 1000 | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Racked - Sterile | 96 x 10/5 | 75 | NA |
| 529107 | 1250XL | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Racked - Sterile | 96 x 10/5 | 98 | 200/500/1000 |

Filter MAXIPENSE™ Ultra Low Retention Tips Racked (Non-Sterile)

| Code | Capacity μL | Description | Packaging Unit/Case | Length mm | Graduated μL |
|--------|------------------------|---|---------------------|-----------|-------------------------|
| 526111 | 10 | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Grad Bulk - Non Sterile | 1000 / 20 | 34 | 2.5/10 |
| 526112 | 10XL/20 | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Grad Bulk - Non Sterile | 1000 / 20 | 44 | 1/5/10/20 |
| 526113 | 20 | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Grad Bulk - Non Sterile | 1000 / 10 | 53 | 10/50/100 |
| 526114 | 50 | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Grad Bulk - Non Sterile | 1000 / 10 | 55 | 10/50/100/200 |
| 526115 | 100 | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Grad Bulk - Non Sterile | 1000 / 10 | 55 | 10/50/100/200 |
| 526116 | 200 | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Grad Bulk - Non Sterile | 1000 / 10 | 55 | 10/50/100/200 |
| 526117 | 300 | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Grad Bulk - Non Sterile | 1000 / 10 | 55 | 50/100/200 |
| 526118 | 1000 | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Bulk - Non Sterile | 500 / 10 | 75 | NA |
| 526119 | 1250XL | Tip Universal Filter MAXIPENSE™ Ultra Low Retention Bulk - Non Sterile | 500 / 10 | 98 | 200/500/1000 |

Tarsons

MAXIPENSE™ Low Retention Tips

Use the MAXIPENSE™ range for low retention and prevent sample wastage with the Tarsons MAXIPENSE™ range. With the unique design of hydrophobicity, the MAXIPENSE™ variety lets your precious liquids roll off without any retention in the tips. The MAXIPENSE™ tips have universal crown size compatible with all popular pipettes. The pipette tips are designed to have low surface retention which is achieved by modifying surface of polymer with very low co-efficient of friction. Tips are of excellent chemical resistance and hence are unaffected by radiation or autoclaving. They are free of detectable DNase, RNase and Pyrogen. Perfect geometry tips are useful for sensitive PCR/Real time PCR reactions. Available in racked and sterile varieties.



Standard Tip

MAXIPENSE™ Tip

Why use Tarsons MAXIPENSE™ Tips?

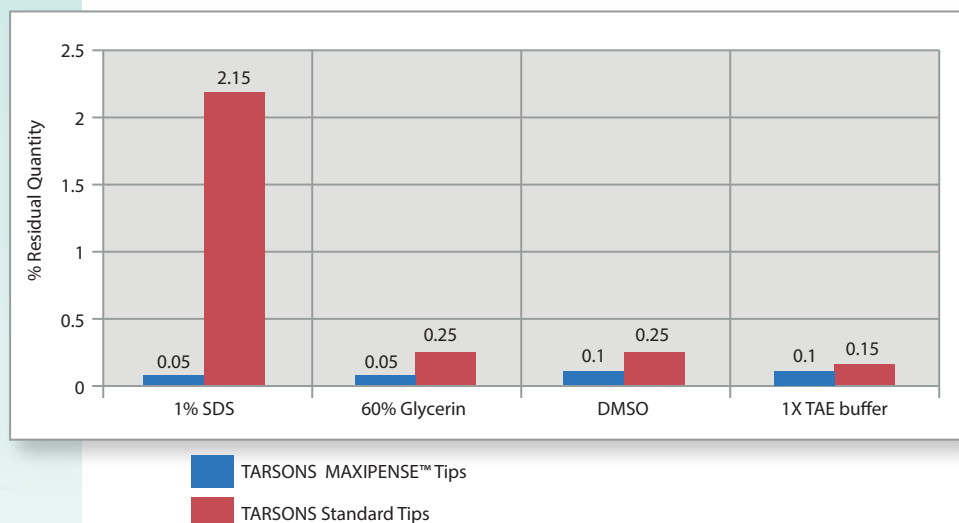
Tarsons MAXIPENSE™ uses superior technology to optimise the conventional polypropylene surfaces to improve the flow of 'sticky' liquids. Tarsons MAXIPENSE™ tips have no coating to interfere with your sample and offer an extremely hydrophobic surface to minimise sample wastage.

- Made from medical grade virgin polypropylene
- Improved sample recovery
- Reduced DNA binding
- Autoclavable
- Fits all popular pipettes
- Reusable, refillable and recyclable system

Tarsons MAXIPENSE™ Tips protect your precious samples from wastage!

Residual volume comparison

Tarsons standard tips have been compared in terms of retention with MAXIPENSE™ variety. MAXIPENSE™ has lowest retention rates, while the standard tips are equally efficient too.



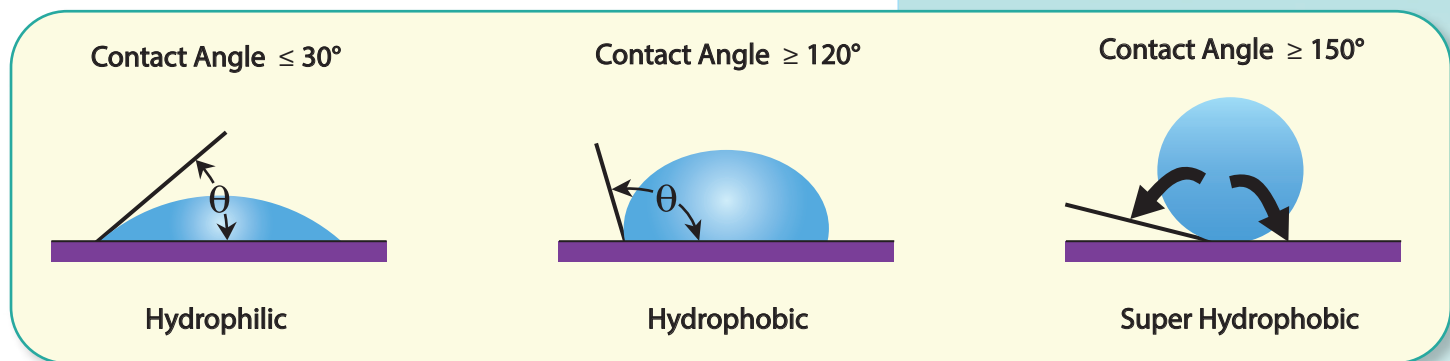
Residual volume in 300 µL TARSONS graduated MAXIPENSE™ Tips, TARSONS 300 µL graduated Standard Tips in Comparison with different liquids.

Why use Tarsons MAXIPENSE™ Tips?

Defining Hydrophobicity

Hydrophobic property of the surface means that it is “water repellent” - it is used to describe substances that does not mix with water and lets it “run off” on the surface. Hydrophilic substances are “water-loving” and the differences can be described using the figure below. Note that the shape of a droplet changes as a result of surface tension

There might be need to handle highly viscous liquids, and annoyingly liquids like Triton X 100 or Tween cannot be pipetted properly. Most users have taken to cutting of the regular pipette tips which again leads to contamination of samples. There are wide bore tips, but that does not resolve the problem of sample loss in the pipette tip itself. Reverse pipetting could be a plausible solution, but then again, it would need a larger amount of sample, and would incur sample wastage too.



The super hydrophobic surface of MAXIPENSE™ tips exactly mimics the Lotus Effect - the water drop assumes almost a spherical shape. It means that the contact surface between the droplet and the surface is extremely small - the liquid drop can roll off, without sticking to the surface.



The lower the surface energy, the more hydrophobic the material will be. When designing MAXIPENSE™ pipette tips, the objective is to reduce the surface tension energy of the resin so that the amount of liquid remaining in the tip is reduced by the increased hydrophobicity.

The problem is persistent not only with solution preparation with viscous liquids, but also in sample handling of expensive enzymes that require extreme precision while pipetting. Expensive reagents are often available in small quantities, with foaming tendencies. In these cases, the liquid retention in the tips should be minimized as much as possible, and the use of standard tips leave a thin film of liquid on the tip walls.

To ensure complete sample recovery, there is need to use pipette tips with special surface properties. The objective is to design a surface that is most hydrophobic - so that no liquid is retained in the tip. Tarsons manufactures Low Retention MAXIPENSE™ tips for precious sample recovery - an essential solution to the persistent problem of sample retention.

Tarsons

MAXIPENSE™ Tips

MAXIPENSE™ Ultra Low Retention Tips Bulk Bags (Non Sterile)

| Code | Capacity µL | Description | Packaging Unit/Case | Length mm | Graduated µL |
|--------|-------------|--|---------------------|-----------|---------------|
| 523100 | 10 | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Bulk | 1000 / 20 | 34 | 2.5/10 |
| 523109 | 10XL/20 | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Bulk | 1000 / 20 | 44 | 1/5/10/20 |
| 523101 | 200 | Tip Universal MAXIPENSE™ Ultra Low Retention Beveled Bulk | 1000 / 10 | 51 | NA |
| 523102 | 200 | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Bulk | 1000 / 10 | 53 | 10/50/100 |
| 523108 | 250 | Tip Universal MAXIPENSE™ Ultra Low Retention Bulk | 1000 / 10 | 55 | 10/50/100/200 |
| 523103 | 300 | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Bulk | 1000 / 10 | 55 | 50/100/200 |
| 523104 | 1000 | Tip Universal MAXIPENSE™ Ultra Low Retention Beveled Grad Bulk | 500 / 10 | 71 | 100/500 |
| 523105 | 1000 | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Bulk | 500 / 10 | 71 | 100/500 |
| 523106 | 1000 | Tip Universal Wide Bore MAXIPENSE™ Ultra Low Retention Bulk | 500 / 10 | 73 | NA |
| 523107 | 1250 | Tip Universal MAXIPENSE™ Ultra Low Retention Bulk | 500 / 10 | 75 | NA |
| 523200 | 1250XL | Tip Universal MAXIPENSE™ Ultra Low Retention Bulk | 500 / 10 | 98 | 200/500/1000 |

MAXIPENSE™ Ultra Low Retention Tips Racked (Non Sterile)

| Code | Capacity µL | Description | Packaging Unit Rack/Case | Length mm | Graduated µL |
|--------|-------------|--|--------------------------|-----------|---------------|
| 524100 | 10 | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Racked | 96 x 10/5 | 34 | 2.5/10 |
| 524108 | 10XL/20 | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Racked | 96 x 10/5 | 44 | 1/5/10/20 |
| 524101 | 200 | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Racked | 96 x 10/5 | 53 | 10/50/100 |
| 524109 | 250 | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Racked | 96 x 10/5 | 55 | 10/50/100/200 |
| 524102 | 300 | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Racked | 96 x 10/5 | 55 | 50/100/200 |
| 524103 | 1000 | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Racked | 96 x 10/5 | 71 | 100/500 |
| 524104 | 1250 | Tip Universal MAXIPENSE™ Ultra Low Retention Racked | 96 x 10/5 | 75 | NA |
| 524105 | 1250XL | Tip Universal MAXIPENSE™ Ultra Low Retention Racked | 96 x 10/5 | 98 | 200/500/1000 |

MAXIPENSE™ Ultra Low Retention Tips Racked (Sterile)

| Code | Capacity µL | Description | Packaging Unit Rack/Case | Length mm | Graduated µL |
|--------|-------------|--|--------------------------|-----------|---------------|
| 526100 | 10 | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Racked-Sterile | 96 x 10/5 | 34 | 2.5/10 |
| 526108 | 10XL/20µL | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Racked-Sterile | 96 x 10/5 | 44 | 1/5/10/20 |
| 526101 | 200 | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Racked-Sterile | 96 x 10/5 | 53 | 10/50/100 |
| 526109 | 250 | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Racked-Sterile | 96 x 10/5 | 55 | 10/50/100/200 |
| 526102 | 300 | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Racked-Sterile | 96 x 10/5 | 55 | 50/100/200 |
| 526103 | 1000 | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Racked-Sterile | 96 x 10/5 | 71 | 100/500 |
| 526104 | 1250 | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Racked-Sterile | 96 x 10/5 | 75 | NA |
| 526105 | 1250XL | Tip Universal MAXIPENSE™ Ultra Low Retention Grad Racked-Sterile | 96 x 10/5 | 98 | 200/500/1000 |

Tarsons

Micro Tips

| Code | Capacity μL | Pipette Tips Bulk Bags | Packaging Units/Case | Length mm | Graduated μL |
|----------|------------------------|--|----------------------|-----------|-------------------------|
| 521000 | 10 | Tip Universal Grad Gilson Style Bulk | 1000 / 20 | 34 | 2.5/10 |
| 521050 | 10 XL/20 | Tip Universal Grad Eppendorf Style Bulk | 1000 / 20 | 44 | 1/5/10/20 |
| 521010 | 200 | Tip Universal Beveled Bulk | 1000 / 10 | 51 | NA |
| 521010-Y | 200 | Tip Universal Beveled Bulk-Yellow | 1000 / 10 | 51 | NA |
| 521014 | 200 | Tip Universal Grad Eppendorf Style Bulk | 1000 / 10 | 53 | 10/50/100 |
| 521014-Y | 200 | Tip Universal Grad Eppendorf Style Bulk-Yellow | 1000 / 10 | 53 | 10/50/100 |
| 521019 | 250 | Tip Universal Grad Bulk | 1000 / 10 | 55 | 10/50/100/200 |
| 521015 | 300 | Tip Universal Grad Eppendorf Style Bulk | 1000 / 10 | 55 | 50/100/200 |
| 521020 | 1000 | Tip Universal Beveled Grad Bulk | 500 / 10 | 71 | 100/500 |
| 521020-B | 1000 | Tip Universal Beveled Grad Bulk-Blue | 500 / 10 | 71 | 100/500 |
| 521016 | 1000 | Tip Universal Grad Eppendorf Style Bulk | 500 / 10 | 71 | 100/500 |
| 521016-B | 1000 | Tip Universal Grad Eppendorf Style Bulk-Blue | 500 / 10 | 71 | 100/500 |
| 521017 | 1000 | Tip Universal Wide Bore Bulk | 500 / 10 | 73 | NA |
| 521040 | 1250 | Tip Universal Bulk | 500 / 10 | 75 | NA |
| 521018 | 1250 XL | Tip Universal Bulk | 500 / 10 | 98 | 200/500/1000 |

Pipette Tips Bulk Bag (Non Sterile)

| Code | Capacity μL | Pipette Tips Racked Non Sterile | Packaging Units Rack/Case | Length mm | Graduated μL |
|----------|------------------------|----------------------------------|---------------------------|-----------|-------------------------|
| 521100 | 10 | Tip Universal Grad Racked | 96 x 10/5 | 34 | 2.5/10 |
| 521108 | 10 XL/20 | Tip Universal Grad Racked | 96 x 10/5 | 44 | 1/5/10/20 |
| 521101 | 200 | Tip Universal Grad Racked | 96 x 10/5 | 53 | 10/50/100 |
| 521101-Y | 200 | Tip Universal Grad Racked-Yellow | 96 x 10/5 | 53 | 10/50/100 |
| 521107 | 250 | Tip Universal Grad Racked | 96 x 10/5 | 55 | 10/50/100/200 |
| 521102 | 300 | Tip Universal Grad Racked | 96 x 10/5 | 55 | 50/100/200 |
| 521103 | 1000 | Tip Universal Grad Racked | 96 x 10/5 | 71 | 100/500 |
| 521103-B | 1000 | Tip Universal Grad Racked-Blue | 96 x 10/5 | 71 | 100/500 |
| 521104 | 1250 | Tip Universal Grad Racked | 96 x 10/5 | 75 | NA |
| 521111 | 1250XL | Tip Universal Grad Racked | 96 x 10/5 | 98 | 200/500/1000 |

Pipette Tips Graduated Racked (Non Sterile)

| Code | Capacity μL | Pipette Tips Racked Sterile | Packaging Units Rack/Case | Length mm | Graduated μL |
|----------|------------------------|--|---------------------------|-----------|-------------------------|
| 522100 | 10 | Tip Universal Grad Racked - Sterile | 96 x 10/5 | 34 | 2.5/10 |
| 522108 | 10 XL/20 | Tip Universal Grad Racked - Sterile | 96 x 10/5 | 44 | 1/5/10/20 |
| 522101 | 200 | Tip Universal Grad Racked - Sterile | 96 x 10/5 | 53 | 10/50/100 |
| 522101-Y | 200 | Tip Universal Grad Racked - Sterile-Yellow | 96 x 10/5 | 53 | 10/50/100 |
| 522109 | 250 | Tip Universal Grad Racked - Sterile | 96 x 10/5 | 55 | 10/50/100/200 |
| 522102 | 300 | Tip Universal Grad Racked - Sterile | 96 x 10/5 | 55 | 50/100/200 |
| 522103 | 1000 | Tip Universal Grad Racked - Sterile | 96 x 10/5 | 71 | 100/500 |
| 522103-B | 1000 | Tip Universal Grad Racked - Sterile-Blue | 96 x 10/5 | 71 | 100/500 |
| 522104 | 1250 | Tip Universal Racked - Sterile | 96 x 10/5 | 75 | NA |
| 522105 | 1250XL | Tip Universal Racked - Sterile | 96 x 10/5 | 98 | 200/500/1000 |

Pipette Tips Racked (Sterile)

| Code | Capacity ml | Description | Packaging Units/Case |
|--------|-------------|--------------------------------------|----------------------|
| 521031 | 5 | Tip Grad Eppendorf Compatible Bulk | 250/10 |
| 521032 | 5 | Tip Gilson Compatible Bulk | 250/10 |
| 521036 | 5 | Tip Thermo Compatible Bulk | 250/10 |
| 521033 | 10 | Tip Gilson Compatible Bulk | 100/10 |
| 521934 | 10 XL | Tip Eppendorf Style Grad X-Long Bulk | 100/10 |

Macro Tips

Tarsons

PUREPACK™ Pipette Tips



The Tarsons PUREPACK™ Tips are individually packed which ensure sterility for every single pipetting cycle. The tips are free of detectable Endotoxin, DNase and RNase. The individually wrapped tips ensure the greatest purity standards and have been validated according to ENISO 11137-2 regulations.

The tips are available in variable sizes: 10µL standard and extended length 20µL, 50µL, 100µL, 200µL, 300 µL and 1000µL. Universally compatible with almost all of the pipette brands available in the market, PUREPACK™ is available in standard tips, Filter Tips, MAXIPENSE™ Tips, and MAXIPENSE™ Filter Tips.

Features:

1. Compatible with majority of pipette brands
2. Ideal tip for applications with high accuracy and reproducibility
3. Batch number and expiration date printed on individual wrap

PUREPACK™ Pipette Tips (Sterile)

| Code | Capacity µL | Description | Packaging Unit Rack/Case | Length mm | Graduated µL |
|--------|-------------|----------------------------------|--------------------------|-----------|--------------|
| 520010 | 10 | PUREPACK™ Pipette Tips - Sterile | 1 / 400 | 34 | 2.5/10 |
| 520011 | 10XL/20 | PUREPACK™ Pipette Tips - Sterile | 1 / 400 | 44 | 1/5/10/20 |
| 520012 | 200 | PUREPACK™ Pipette Tips - Sterile | 1 / 400 | 53 | 10/50/100 |
| 520013 | 300 | PUREPACK™ Pipette Tips - Sterile | 1 / 400 | 55 | 50/100/200 |
| 520014 | 1000 | PUREPACK™ Pipette Tips - Sterile | 1 / 400 | 71 | 100/500 |

PUREPACK™ Pipette Filter Tips (Sterile)

| Code | Capacity µL | Description | Packaging Unit Rack/Case | Length mm | Graduated µL |
|--------|-------------|---|--------------------------|-----------|---------------|
| 520037 | 10 | PUREPACK™ Pipette Tips Filter - Sterile | 1 / 400 | 34 | 2.5/10 |
| 520038 | 10XL/20 | PUREPACK™ Pipette Tips Filter - Sterile | 1 / 400 | 44 | 1/5/10/20 |
| 520039 | 20 | PUREPACK™ Pipette Tips Filter - Sterile | 1 / 400 | 53 | 10/50/100 |
| 520040 | 50 | PUREPACK™ Pipette Tips Filter - Sterile | 1 / 400 | 55 | 10/50/100/200 |
| 520041 | 100 | PUREPACK™ Pipette Tips Filter - Sterile | 1 / 400 | 55 | 10/50/100/200 |
| 520042 | 200 | PUREPACK™ Pipette Tips Filter - Sterile | 1 / 400 | 55 | 10/50/100/200 |
| 520043 | 300 | PUREPACK™ Pipette Tips Filter - Sterile | 1 / 400 | 55 | 50/100/200 |
| 520044 | 1000 | PUREPACK™ Pipette Tips Filter - Sterile | 1 / 400 | 75 | NA |

PUREPACK™ MAXIPENSE™ Pipette Tips (Sterile)

| Code | Capacity µL | Description | Packaging Unit /Case | Length mm | Graduated µL |
|--------|-------------|---|----------------------|-----------|--------------|
| 520031 | 10 | PUREPACK™ MAXIPENSE™ Pipette Tips - Sterile | 1 / 400 | 34 | 2.5/10 |
| 520032 | 10XL/20 | PUREPACK™ MAXIPENSE™ Pipette Tips - Sterile | 1 / 400 | 44 | 1/5/10/20 |
| 520033 | 200 | PUREPACK™ MAXIPENSE™ Pipette Tips - Sterile | 1 / 400 | 53 | 10/50/100 |
| 520034 | 300 | PUREPACK™ MAXIPENSE™ Pipette Tips - Sterile | 1 / 400 | 55 | 50/100/200 |
| 520035 | 1000 | PUREPACK™ MAXIPENSE™ Pipette Tips - Sterile | 1 / 400 | 71 | 100/500 |

PUREPACK™ MAXIPENSE™ Pipette Filter Tips (Sterile)

| Code | Capacity µL | Description | Packaging Unit Rack/Case | Length mm | Graduated µL |
|--------|-------------|--|--------------------------|-----------|---------------|
| 520050 | 10 | PUREPACK™ MAXIPENSE™ Filter Pipette Tips - Sterile | 1 / 400 | 34 | 2.5/10 |
| 520051 | 10XL/20 | PUREPACK™ MAXIPENSE™ Filter Pipette Tips - Sterile | 1 / 400 | 44 | 1/5/10/20 |
| 520052 | 20 | PUREPACK™ MAXIPENSE™ Filter Pipette Tips - Sterile | 1 / 400 | 53 | 10/50/100 |
| 520053 | 50 | PUREPACK™ MAXIPENSE™ Filter Pipette Tips - Sterile | 1 / 400 | 55 | 10/50/100/200 |
| 520054 | 100 | PUREPACK™ MAXIPENSE™ Filter Pipette Tips - Sterile | 1 / 400 | 55 | 10/50/100/200 |
| 520055 | 200 | PUREPACK™ MAXIPENSE™ Filter Pipette Tips - Sterile | 1 / 400 | 55 | 10/50/100/200 |
| 520056 | 300 | PUREPACK™ MAXIPENSE™ Filter Pipette Tips - Sterile | 1 / 400 | 55 | 50/100/200 |
| 520057 | 1000 | PUREPACK™ MAXIPENSE™ Filter Pipette Tips - Sterile | 1 / 400 | 75 | NA |

Tarsons

Refill System

Pipette Tip Reload System (Non Sterile)

| Code | Capacity μL | Description | Packaging Unit Rack/Case | Length mm | Graduated μL |
|--------|------------------------|--|--------------------------|-----------|-------------------------|
| 521105 | 10 | Tip Refill System/Reload - Non Sterile | 96 x 10 / 10 | 34 | 2.5/10 |
| 521110 | 10 XL/20 | Tip Refill System/Reload - Non Sterile | 96 x 10 / 10 | 44 | 1/5/10/20 |
| 521106 | 200 | Tip Refill System/Reload - Non Sterile | 96 x 10 / 10 | 53 | 10/50/100 |
| 521109 | 300 | Tip Refill System/Reload - Non Sterile | 96 x 10 / 10 | 55 | 50/100/200 |
| 521126 | 1000 | Tip Refill System/Reload - Non Sterile | 96 x 10 / 10 | 71 | 100/500 |

Pipette Tip Reload System (Sterile)

| Code | Capacity μL | Description | Packaging Unit Rack/Case | Length mm | Graduated μL |
|--------|------------------------|------------------------------------|--------------------------|-----------|-------------------------|
| 521127 | 10 | Tip Refill System/Reload - Sterile | 96 x 10 / 10 | 34 | 2.5/10 |
| 521112 | 10 XL/20 | Tip Refill System/Reload - Sterile | 96 x 10 / 10 | 44 | 1/5/10/20 |
| 521113 | 200 | Tip Refill System/Reload - Sterile | 96 x 10 / 10 | 53 | 10/50/100 |
| 521114 | 300 | Tip Refill System/Reload - Sterile | 96 x 10 / 10 | 55 | 50/100 |
| 521115 | 1000 | Tip Refill System/Reload - Sterile | 96 x 10 / 10 | 71 | 100/500 |

MAXIPENSE™ Pipette Tip Reload System (Non Sterile)

| Code | Capacity μL | Description | Packaging Unit Rack/Case | Length mm | Graduated μL |
|--------|------------------------|---|--------------------------|-----------|-------------------------|
| 521116 | 10 | Tip Refill System/Reload MAXIPENSE™ - Non Sterile | 96 x 10 / 10 | 34 | 2.5/10 |
| 521117 | 10 XL/20 | Tip Refill System/Reload MAXIPENSE™ - Non Sterile | 96 x 10 / 10 | 44 | 1/5/10/20 |
| 521118 | 200 | Tip Refill System/Reload MAXIPENSE™ - Non Sterile | 96 x 10 / 10 | 53 | 10/50/100 |
| 521119 | 300 | Tip Refill System/Reload MAXIPENSE™ - Non Sterile | 96 x 10 / 10 | 55 | 50/100/200 |
| 521120 | 1000 | Tip Refill System/Reload MAXIPENSE™ - Non Sterile | 96 x 10 / 10 | 70 | 100/500 |

MAXIPENSE™ Pipette Tip Reload System (Sterile)

| Code | Capacity μL | Description | Packaging Unit Rack/Case | Length mm | Graduated μL |
|--------|------------------------|---|--------------------------|-----------|-------------------------|
| 521121 | 10 | Tip Refill System/Reload MAXIPENSE™ - Sterile | 96 x 10 / 10 | 34 | 2.5/10 |
| 521122 | 10 XL/20 | Tip Refill System/Reload MAXIPENSE™ - Sterile | 96 x 10 / 10 | 44 | 1/5/10/20 |
| 521123 | 200 | Tip Refill System/Reload MAXIPENSE™ - Sterile | 96 x 10 / 10 | 53 | 10/50/100 |
| 521124 | 300 | Tip Refill System/Reload MAXIPENSE™ - Sterile | 96 x 10 / 10 | 55 | 50/100/200 |
| 521125 | 1000 | Tip Refill System/Reload MAXIPENSE™ - Sterile | 96 x 10 / 10 | 70 | 100/500 |

Empty Tip Box

| Code | Compatibility with Tarsons Tips | Description | Tray Colour | Packaging Unit Rack/Case |
|--------|---|----------------------|-------------|--------------------------|
| 524052 | 2-10 μL , 10x1/20 μL , 2-10 μL filter, 10x1/20 μL filter | 96 Place | Orange | 10/5 |
| 524053 | 2-200 μL , 200 μL grad, 250 μL grad, 300 μL grad, 20 μL filter, 50 μL filter, 100 μL filter, 200 μL filter, 300 μL filter (transparent/coloured) | 96 Place | Yellow | 10/5 |
| 524054 | 200-1000 μL & coloured 200-1000 μL | 96 Place | Blue Thick | 10/5 |
| 524059 | 1000 μL grad, 1250 μL , 1000 μL filter (transparent/coloured) | 96 Place (Universal) | White | 10/5 |
| 524055 | 1250 μL xl & 1250 μL filter | 96 Place | Blue Thin | 10/5 |

Tarsons refill packs save your laboratory space. These are convenient packs that offer you the flexibility to load fewer racks and keep the remaining wafers sealed.

Easy to use refill wafers have no requirement to repeatedly line tips up with holes in the rack. Simply remove the wafer from the refill pack and fix it into an empty Tarsons Tip Box. The wafers stay secured in the box until you are ready to replace them.



Tarsons

Pipette Compatibility Chart

Micro Tips

Find the proper tip for any pipette in your lab.

Easily select the correct tip to match your application requirements in the lab. With hundreds of pipette tips, the selection guide will help you find the proper pipette tip to enhance the performance of your pipette for consistent results.

| Description | Bulk | Racked | Racked Sterile |
|---|------|--------|----------------|
| 10 µL - length 34 mm Compatible with Biohit, Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 10XL/20 µL - length 44 mm Compatible with Biohit, Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 200 µL - Beveled - length 51 mm Compatible with Biohit, Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | | |
| 200 µL - Grad - length 53 mm Compatible with Biohit, Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 300 µL - Grad - length 55 mm Compatible with Biohit, Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 1000 µL - Beveled - length 71 mm Compatible with Eppendorf, Finnipipet, Gilson and Tarsons Pipettes | ✓ | | |
| 1000 µL - Grad - length 71 mm Compatible with Eppendorf, Finnipipet, Gilson and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 1000 µL - Wide Bore - length 73 mm Wide Bore Tips ideal for working with viscous materials, genomic DNA or delicate cell cultures. Compatible with Eppendorf, Finnipipet, Gilson and Tarsons Pipettes | ✓ | | |
| 1250 µL - length 75 mm Compatible with Eppendorf, Finnipipet, Gilson and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 1250 XL µL - length 98 mm Compatible with Eppendorf, Finnipipet, Gilson and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 5 ml - length 150 mm Easy to reach access restricted sample areas and to reach bottom of long tubes. Compatible with Gilson and Tarsons Pipettes | ✓ | | |
| 5 ml - Grad - length 120 mm Compatible with Eppendorf and Tarsons Pipettes | ✓ | | |
| 10 ml - Grad - length 165 mm Compatible with Eppendorf, Gilson and Tarsons Pipettes | ✓ | | |
| 10 ml - Extra Long Grad - length 243 mm Easy to reach access restricted sample areas and to reach bottom of long tubes. Compatible with Eppendorf, Gilson and Tarsons Pipettes | ✓ | | |

MAXIPENSE™ Tips

| Description | Bulk | Racked | Racked Sterile |
|---|------|--------|----------------|
| 10 µL - length 34 mm Compatible with Biohit, Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 10XL/20 µL - length 44 mm Compatible with Biohit, Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 200 µL - Beveled - length 51 mm Compatible with Biohit, Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | | |
| 200 µL - Grad - length 53 mm Compatible with Biohit, Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 300 µL - Grad - length 55 mm Compatible with Biohit, Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 1000 µL - Beveled - length 71 mm Compatible with Eppendorf, Finnipipet, Gilson and Tarsons Pipettes | ✓ | | |
| 1000 µL - Grad - length 71 mm Compatible with Eppendorf, Finnipipet, Gilson and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 1000 µL - Wide Bore - length 73 mm Wide Bore Tips ideal for working with viscous materials, genomic DNA or delicate cell cultures. Compatible with Eppendorf, Finnipipet, Gilson and Tarsons Pipettes | ✓ | | |
| 1250 µL - length 75 mm Compatible with Eppendorf, Finnipipet, Gilson and Tarsons Pipettes | ✓ | ✓ | ✓ |

Filter Tips

| Description | Bulk | Racked | Racked Sterile |
|---|------|--------|----------------|
| 10 µL - length 34 mm Compatible with Biohit, Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 10XL/20 µL - length 44 mm Compatible with Biohit, Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 20 µL - length 53 mm Compatible with Biohit, Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 50 µL - length 55 mm Compatible with Biohit, Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 100 µL - length 55 mm Compatible with Biohit, Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 200 µL - length 55 mm Compatible with Biohit, Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 300 µL - length 55 mm Compatible with Biohit, Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | ✓ | ✓ |
| 1000 µL - length 75 mm Compatible with Eppendorf, Finnipipet, Gilson, Nishiriyo, Rainin and Tarsons Pipettes | ✓ | ✓ | ✓ |

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