

A BETTER TIPTM



Xtreme Quality™ means delivering excellence all the way from the manufacturing floor to the lab bench. Each interaction with Biotix, whether with a Sales Representative or with the Customer Care Department, is completed with excellence in mind. We want the product and your experience with us to be superior to any other in the industry. That is our commitment to you.

-The Biotix Team

- ISO 9001:2008 Certified
- FDA registered as Micro Pipette, Device Class 1
- American Society for Quality (ASQ), San Diego Chapter Member
- Society for Laboratory Automation & Screening Industry Sponsor

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FLUID INNOVATION

Biotix™ is the name to trust for your laboratory consumables. Each innovation is listed below with its benefit and the product family that utilizes that innovation.

| INNOVATION | FEATURES & BENEFITS | PRODUCT |
|---------------------------|--|----------|
| FLEXFIT™ | A patent pending tip design that reduces the risk of RSD and provides a superior fit | M |
| DELTA FILTER™ | The filter that provides instant visual indication of contamination | MI RI |
| X-RESIN™ | Proprietary resin that is naturally low retentive and soft to provide better precision | W RI |
| BLADE™ | Unique distal end orifice design that eliminates the need for tip touch off | MI RI |
| STATIX™ | Exclusive Biotix technology that prevents static build up and draws static away from the tips | RI |
| CV TESTING | Product precision is printed on every pack of pipette tips in the form of CV data | W RI |
| SERIAL NUMBERING | A unique serial number and part number are printed in barcode format on each tray of Biotix products which allow for traceability in the lab | MI RI |
| HIGH ACCURACY POUR SPOUTS | Helps recover and distribute liquid better than any other reservoir on the market | RR |
| LOT SPECIFIC CERTIFICATE | All product packs contain a lot specific certificate of assurance for your products | MT RT RR |
| MULTI-CHANNEL READY | Products are designed to work with standard eight or twelve multi-channel pipettors | MT RT RR |
| ANSI/SBS 1-2004 COMPLIANT | Standardized universal format 127.76 x 85.48 mm (5.0299 x 3.3654 in.) | MT RT RR |
| BIOREADY™ | Every lot of product is certified to be free of key contaminants | MT RT RR |
| LEAVE NOTHING BEHIND™ | Biotix brings a new attitude to the plastics industry through the use of recycled resins and compostable plastics | MT RT RR |

Manual pipette tips



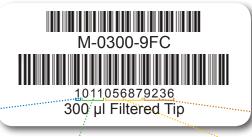


SUPERIOR TRACEABILITY

BIOTIX WORLD-CLASS QUALITY SYSTEM

During manufacturing, labels are created for each tray that contain a unique barcoded serial number, part number and description. This system offers greater traceability and ensures that quality products reach the laboratory. Within the Biotix serial number is a vast amount of information, here is the key to crack the code:

The first digit is the last digit of the calendar year. This example is 2011.



The next three digits are the Julian calendar day of the year. For our example it is the 11th day of the year January 2011.

the rack identifier.

This complete

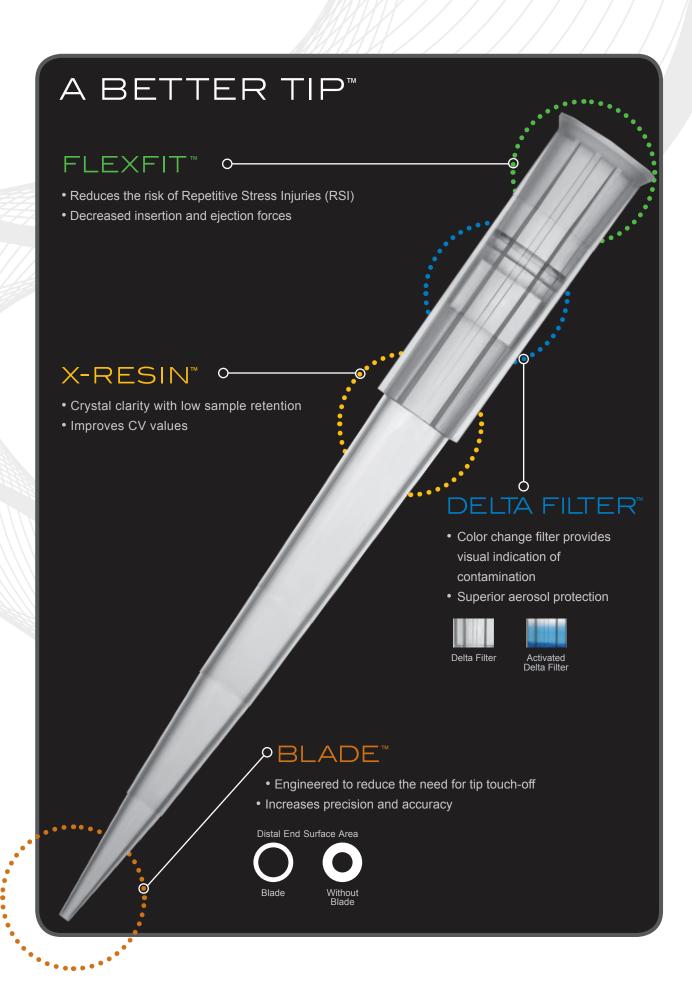
The final 4 digits are

barcode uniquely identifies each rack of Biotix product.

The next five numbers are the lot number.

MANUAL PIPETTE TIPS

| | | • A Better T • Manual Ti • Manual Ti • Manual Ti TIP EJECT PIPETTE T FILTER PIF • Filter Tips | RACKED TIPS A Better Tip TM Proprietary Features Manual Tips Featuring X-Resin Manual Tips Featuring Chem-Resir TIP EJECT RELOAD SYSTEM PIPETTE TIP COMPATIBILITY CHAI FILTER PIPETTE TIPS Filter Tips Featuring X-Resin Filter Tips Featuring Chem-Resin FILTER TIP COMPATIBILITY CHAR FILTER TIP COMPATIBILITY CHAR | | 3 |
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| | | _ | | | |



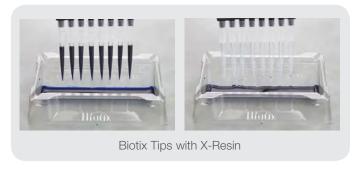
BIOTIX MANUAL TIPS FEATURING X-RESINTM

Biotix manual pipette tips are manufactured with our patented technologies for increased pipetting accuracy and precision.

| BIOTIX MANUAL PIPETTE TIPS FEATURING X-RESIN | DESCRIPTION | PACKAGING |
|--|--|--------------------------|
| M-0010-9NC | 40l Notired Decked | 10 racks of 96 tips/pack |
| | 10µl, Natural, Racked | 5 packs/case |
| M-0010-9SC | 10µl, Natural, Racked, | 10 racks of 96 tips/pack |
| | Pre-sterile | 5 packs/case |
| M-0011-9NC | 40 1 N 4 1 D 1 1 | 10 racks of 96 tips/pack |
| | 10µl, Natural, Racked | 5 packs/case |
| M-0011-9SC | 10µl, Natural, Racked, | 10 racks of 96 tips/pack |
| | Pre-sterile | 5 packs/case |
| M-0200-9NC | | 10 racks of 96 tips/pack |
| | 200µl, Natural, Racked | 5 packs/case |
| M-0200-1RC | 200μl, Natural, Rack & Stack, | 5 racks of 192 tips/pack |
| | Pre-sterile | 5 packs/case |
| M-0200-1RCNS | 000 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 5 racks of 192 tips/pack |
| | 200µl, Natural, Rack & Stack | 5 packs/case |
| M-0200-9SC | 200µl, Natural, Racked, | 10 racks of 96 tips/pack |
| | Pre-sterile | 5 packs/case |
| M-0300-9NC | | 10 racks of 96 tips/pack |
| | 300µl, Natural, Racked | 5 packs/case |
| M-0300-9SC | 300µl, Natural, Racked, | 10 racks of 96 tips/pack |
| | Pre-sterile | 5 packs/case |
| M-1250-9NC | 4050 N | 10 racks of 96 tips/pack |
| | 1250μl, Natural, Racked | 4 packs/case |
| M-1250-9SC96 | 1250µl, Natural, Racked, | 10 racks of 96 tips/pack |
| | Pre-sterile | 4 packs/case |

X-RESIN™ MULTICHANNEL COMPARISON





BIOTIX MANUAL TIPS

FEATURING CHEM-RESIN™

Biotix Chem-Resin™ provides a solution for working with challenging strong polar solvents or highly electronegative reagents. Unlike the ultralow retention properties of Biotix X-Resin™, the Chem-Resin™ tips have a more neutral surface tension. This reduced hydrophobicity on the surface facilitates low volume draw and drip-free dispense of these classes of chemicals.



| BIOTIX MANUAL TIPS FEATURING CHEM-RESIN | DESCRIPTION | PACKAGING | | |
|---|------------------------------|---------------------|--|--|
| M-0009-9NC | 40l Natural Daylord | 10 racks of 96/pack | | |
| | 10μl, Natural, Racked | 5 packs/case | | |
| M-0009-9SC | 10μl, Natural, Racked, | 10 racks of 96/pack | | |
| | Pre-sterile | 5 packs/case | | |
| M-0012-9NC | 10µl Extended Length, | 10 racks of 96/pack | | |
| | Natural, Racked | 5 packs/case | | |
| M-0012-9SC | 10µl Extended Length, | 10 racks of 96/pack | | |
| | Natural, Racked, Pre-sterile | 5 packs/case | | |
| M-0201-9NC | 000 1 11 1 1 1 1 1 | 10 racks of 96/pack | | |
| | 200µl, Natural, Racked | 5 packs/case | | |
| M-0201-9SC | 200µl, Natural, Racked, Pre- | 10 racks of 96/pack | | |
| | sterile | 5 packs/case | | |
| M-0301-9NC | | 10 racks of 96/pack | | |
| | 300µl, Natural, Racked | 5 packs/case | | |
| M-0301-9SC | 300μl, Natural, Racked, Pre- | 10 racks of 96/pack | | |
| | sterile | 5 packs/case | | |
| M-1251-9NC | 4050 11 15 1 | 10 racks of 96/pack | | |
| | 1250µl, Natural, Racked | 4 packs/case | | |
| M-1251-9SC | 1250µl, Natural, Racked, | 10 racks of 96/pack | | |
| | Pre-sterile | 4 packs/case | | |

TIP EJECT™ RELOAD SYSTEM

Save Space and Reduce Waste with Biotix Tip Eject™

Tip Eject allows convenient reloading into Biotix tip racks without the use of transfer devices. Transparent packaging allows for easy tip identification, while fully protecting tips from contamination due to contact and environmental particulates. Reload cards are made from 100% recycled polypropylene.



Remove lower protective cover.



Align Tip Eject over empty Biotix rack.



Push down until a "click" is heard and felt, indicating tips are locked into rack.



Replace over lower protective cover.

BEST PRACTICES

Load last card into Remove card from lower protective cover until ready to use. Remove card from empty rack for next reload.

| BIOTIX PART NUMBER | | DESCRIPTION | PACKAGINO | G |
|----------------------------------|------------|---|----------------------------|---------------|
| _ | M-0010-9RC | 10μl Tip Eject Reload, X-Resin, Pre-sterile | 20 inserts of 96 tips/pack | 5 packs/case |
| Biotix Tips featuring X-Resin | M-0011-9RC | 10μl Extended Length, Tip Eject Reload, X-Resin, Pre-sterile | 20 inserts of 96 tips/pack | 5 packs/case |
| s featurir | M-0200-9RC | 200µl Tip Eject Reload, X-Resin, Pre-sterile | 12 inserts of 96 tips/pack | 10 packs/case |
| iotix Tips | M-0300-9RC | 10 inserts of 96 tips/pack | 10 packs/case | |
| m | M-1250-9RC | 1250µl Tip Eject Reload, X-Resin, Pre-sterile | 10 inserts of 96 tips/pack | 10 packs/case |
| sin | M-0009-9RC | 10μl Tip Eject Reload, Chem-Resin, Pre-sterile | 20 inserts of 96 tips/pack | 5 packs/case |
| Chem-Re | M-0012-9RC | 10μl Extended Length, Tip Eject Reload, Chem-Resin, Pre-sterile | 20 inserts of 96 tips/pack | 5 packs/case |
| eaturing | M-0201-9RC | 200µl Tip Eject Reload, Chem-Resin, Pre-sterile | 12 inserts of 96 tips/pack | 10 packs/case |
| Biotix Tips featuring Chem-Resin | M-0301-9RC | 300µl Tip Eject Reload, Chem-Resin, Pre-sterile | 10 inserts of 96 tips/pack | 10 packs/case |
| Bio | M-1251-9RC | 1250µl Tip Eject Reload, Chem-Resin, Pre-sterile | 10 inserts of 96 tips/pack | 10 packs/case |
| System | M-0011-9ER | Empty Tray for Biotix 10µl and 10µl Extended Length Tips, Pre-sterile | 10 trays/pack | 5 packs/case |
| Empty Trays for System | M-0300-9ER | Empty Tray for Biotix 200µl and 300µl Tips, Pre-sterile | 10 trays/pack | 5 packs/case |
| Empty 7 | M-1250-9ER | Empty Tray for Biotix 1250µl Tips, Pre-sterile | 10 trays/pack | 5 packs/case |

MANUAL TIPS COMPATIBILITY CHART

Biotix pipette tips are compatible with a broad range of industry leading pipettes. The table below represents compatibility among the more recognized brands on the market. Biotix determines compatibility based on fit and function. Tip fit is determined by the ability to mount and eject Biotix tips onto the pipettor. Tip function is determined by the ability to calibrate the pipettor within the manufacturer's specifications using Biotix tips. For more information on tip compatibility, visit www.biotix.com.

| Pipettor Brand | Model | Π, 10μl | 10µI, Extended Length | 200µl | 300µІ | 1250µІ |
|---------------------------|--------------|------------|-----------------------|-------|-------|--------|
| Sartorius/Biohit eLINE® | 5 - 120µl | | | • | | |
| | M10/12 | | • | | | |
| | M100 | | | • | • | |
| Sartorius/Biohit mLINE® | M200 | | | • | • | |
| Surtonus/ Bionic mente | M300 | | | | • | |
| | M1000 | | | | | • |
| | M300/12 | | | | • | |
| | 10 - 100µl | | | • | • | |
| Sartorius/Biohit Proline® | 2 - 20µl | | | | | |
| Plus | 20 - 200µl | | | • | • | |
| | 10 - 100µl/8 | | | • | | |
| | 30 - 300µl/8 | | | | • | |
| | 0.5 - 10µl | • | • | | | |
| | 2 - 20µl | | | • | | |
| Transferpette® S | 10 - 100µl | | | • | | |
| | 20 - 200µl | | | • | • | |
| | 100 - 1000µl | | | | | • |
| Transferpette® electronic | 20 - 200µl | | | • | | |
| nunsicipotto dicotionio | 15 - 300µl | | | | • | |
| | 0.5 - 10µl | • | • | | | |
| Capp® Bravo | 5 - 50µl | | | • | • | |
| опрр Блито | 10 - 100µl | | | • | • | |
| | 30 - 300µl | | | • | • | |
| | 0.1 - 2.5µl | • | • | | | |
| | 0.5 - 10μΙ | • | • | | | |
| Eppendorf Reference® | 2 - 20µl | • | • | • | | |
| Eppendon Kererence* | 10 - 100µl | | | • | | |
| | 50 -200µI | | | • | | |
| | 100 - 1000µl | | | | | • |

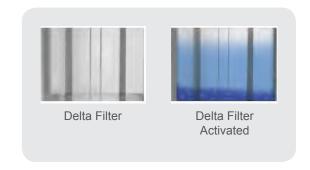
| Pipettor Brand | Model | 10µl | 10µI, Extended Length | 200μΙ | 300µІ | 1250µІ |
|----------------------------|----------------------------|------|-----------------------|-------|-------|--------|
| | 0.5 - 10µl | • | • | | | |
| | 2 - 20µl | | • | • | | |
| | 10 - 100µl | | | • | • | |
| | 20 - 200µl | | | • | • | |
| Eppendorf Research® | 30 - 300µl | | | • | • | |
| | 10 - 100µl/12 | | | • | • | |
| | 30 - 300µl/12 | | | | • | |
| | 100 - 1000µl | | | | | • |
| | 0.5 - 10µl | • | • | | | |
| | 2 - 20µl | • | • | • | | |
| Eppendorf Research® Plus | 10 - 100µl | | | • | | |
| Eppelluoti keseatcii* Fius | 20 - 200µl | | | • | • | |
| | 10 - 100µl /12 | | | • | | |
| | 100 - 1000µl | | | | | • |
| Eppendorf Research® pro | 20 - 300µl/12 | | | | • | |
| Eppendorf Xplorer®/ | 15 - 300µl | | | | • | |
| Xplorer® plus | 50 - 1000μl | | | | | • |
| | 0.5 - 10µl | • | • | | | |
| | 2 - 20µl | | | • | | |
| Finnpipette™ | 5 - 50µl | | | • | • | |
| | 20 - 200µl | | | • | • | |
| | 30 - 300µl | | • | • | • | |
| | 100 - 1000µl | | • | | | |
| | 0.2 - 2µl 2 - 20µl | | • | | | |
| | 2 - 20μι 5 - 50μl/12 | | • | • | | |
| Finnpipette™ F1 | 3 - 30μl/ 12 20 - 200μl | | | | | |
| | 30 - 300µl/12 | | | | • | |
| | 100 - 1000µl | | | | | • |
| | 2 - 20µl | | | • | | |
| | 5 - 50μl | | | • | | |
| Finnpipette™ F2 | 10 - 100µl | | | • | | |
| | 20 - 200µl | | | • | | |
| | 100 - 1000µl | | | | | • |
| | 1 - 10µl | • | • | | | |
| | 20 - 200µl | | | • | | |
| Fig. 1. At IM Birds | 50 - 300µl | | | • | • | |
| Finnpipette™ Digital | 0.5 - 10µl/8 | • | • | | | |
| | 5 - 50µl/8 | | | • | | |
| | 50 - 300µl/8 | | | • | • | |

MANUAL TIPS COMPATIBILITY CHART CONTINUED

| Pipettor Brand | Model | ₩ 10μl | П 10µI, Extended Length | 200µl | 300µІ | 1250µІ |
|--------------------------|--------------|-----------|----------------------------|-------|-------|--------|
| | P2L | • | • | | | |
| | P10L | • | • | | | |
| O'I @ DIDETHAN@ I | P20L | | • | • | | |
| Gilson® PIPETMAN® L | P100L | | | • | | |
| | P200L | | | • | • | |
| | P1000L | | | | | • |
| | 0.2 - 2µl | • | • | | | |
| | 1 - 10µl | • | • | | | |
| | 2.5 - 25µl | | | • | | |
| Hamilton® SoftGrip | 10 - 100µl | | | • | • | |
| | 30 - 300µl | | | | • | |
| | 100 - 1000µl | | | | | • |
| BioPette™ A | 100 - 1200µl | | | | | • |
| | 0.5 - 10µl | • | • | | | |
| | 2 - 20µl | | | • | | |
| Nichiryo Nichipet EX II | 10 - 100µl | | | • | | |
| | 20 - 200µl | | | • | • | |
| | 100 - 1000µl | | | | | • |
| | 1 - 10µl | • | • | | | |
| Socorex Calibra® digital | 10 - 100µl | | | • | | |
| 822 | 20 - 200µl | | | • | • | |
| | 100 - 1000µl | | | | | • |
| VWR Signature™ | 2 - 20µl | | | • | • | |
| Ergonomic High | 20 - 200µl | | | • | • | |
| Performance | 100 - 1000µl | | | | | • |
| | 0.1 - 2µl | • | • | | | |
| | 0.5 - 10µl | • | • | | | |
| VWR® Ultra High | 2 - 20µl | • | • | | • | |
| Performance | 10 - 100µl | | | • | • | |
| | 20 - 200µl | | | • | • | |
| | 100 - 1000µl | | | | | • |

MANUAL FILTER TIPS

Exclusive to Biotix is a proprietary technology called Delta Filter™. This technology incorporates a chemically inert, color change compound which not only traps aerosols and absorbs liquids, but turns blue upon contact with contaminants. This feature safeguards critical assays with instant visual detection, and notifies technicians of pipetting errors. Delta Filter is available in all Biotix manual filter tip products.



| | BIOTIX MANUAL FILTER TIPS | DESCRIPTION | PACKAGING |
|-------------------------------|---------------------------|--------------------------------|--------------------------|
| | M-0010-9FC | 10µl Filter Tip, X-Resin, | 10 racks of 96 tips/pack |
| | | Pre-sterile | 5 packs/case |
| | M-0011-9FC | 10µl Extended Length Filter | 10 racks of 96 tips/pack |
| sin | | Tip, X-Resin, Pre-sterile | 5 packs/case |
| X-Re | M-0020-9FC | 20µl Filter Tip, X-Resin, | 10 racks of 96 tips/pack |
| Biotix Tips featuring X-Resin | | Pre-sterile | 5 packs/case |
| s feat | M-0100-9FC | 100µl Filter Tip, X-Resin, | 10 racks of 96 tips/pack |
| ix Tip | | Pre-sterile | 5 packs/case |
| Biot | M-0300-9FC | 300µl Filter Tip, X-Resin, | 10 racks of 96 tips/pack |
| | | Pre-sterile | 5 packs/case |
| | M-1250-9FC | 1250µl Filter Tip, X-Resin, | 10 racks of 96 tips/pack |
| | | Pre-sterile | 4 packs/case |
| | M-0002-9FC | 2µl Filter Tip, Chem-Resin, | 10 racks of 96 tips/pack |
| | | Pre-sterile | 5 packs/case |
| | M-0009-9FC | 10µl Filter Tip, Chem-Resin, | 10 racks of 96 tips/pack |
| | | Pre-sterile | 5 packs/case |
| Resin | M-0012-9FC | 10µl Extended Length Filter | 10 racks of 96 tips/pack |
| hem- | | Tip, Chem-Resin, Pre-sterile | 5 packs/case |
| ing C | M-0021-9FC | 20µl Filter Tip, Chem-Resin, | 10 racks of 96 tips/pack |
| Tips featuring Chem-Resin | - | Pre-sterile | 5 packs/case |
| | M-0101-9FC | 100µl Filter Tip, Chem-Resin, | 10 racks of 96 tips/pack |
| Biotix | | Pre-sterile | 5 packs/case |
| | M-0301-9FC | 300µl Filter Tip, Chem-Resin, | 10 racks of 96 tips/pack |
| | | Pre-sterile | 5 packs/case |
| | M-1251-9FC | 1250µl Filter Tip, Chem-Resin, | 10 racks of 96 tips/pack |
| | | Pre-sterile | 4 packs/case |

FILTER TIPS COMPATIBILITY CHART

Biotix filter tips are compatible with a broad range of industry leading pipettes. The table below represents compatibility among the more recognized brands on the market. Biotix determines compatibility based on fit and function. Tip fit is determined by the ability to mount and eject Biotix tips onto the pipettor. Tip function is determined by the ability to calibrate the pipettor within the manufacturer's specifications using Biotix tips. For more information on tip compatibility, visit www.biotix.com.

| Pipettor Brand Sartorius/Biohit eLINE® | Model 5 - 120μΙ | 2µІ | 10µI | 10µI , Extended Length | 20µ1 | 100µI | 300µІ | 1250µІ |
|--|---------------------------|-----|------|------------------------|------|-------|-------|--------|
| <u> </u> | M10 /12 | | | • | | | | |
| | M100 | | | | • | • | • | |
| Sartorius/Biohit | M200 | | | | • | • | • | |
| mLINE® ' | M300 | | | | | | • | |
| | M1000 | | | | | | | • |
| | M300/12 | | | | | | • | |
| | 10 - 100µl | | | | | • | • | |
| | 2 - 20µl | | | | | | | |
| Sartorius/Biohit Proline® Plus | 20 - 200µl | | | | • | • | • | |
| Troinic Tius | 10 - 100µl /8 | | | | | • | | |
| | 30 - 300µl /8 | | | | | | • | |
| | 0.5 - 10µl | • | • | • | | | | |
| | 2 - 20µl | | | | • | • | | |
| Transferpette® S | 10 - 100µl | | | | • | • | | |
| | 20 - 200µl | | | | | | • | |
| | 100 - 1000µl | | | | | | | |
| Transferpette® | 20 - 200µl | | | | | | | |
| electronic | 15 - 300µl | | | | | | • | • |
| | 0.5 - 10μΙ | • | • | • | | | | |
| Capp® Bravo | 5 - 50µl | | | | • | • | • | |
| Сарр з Бтачо | 10 - 100µl | | | | | • | • | |
| | 30 - 300µl | | | | | | • | |
| | 0.1 - 2.5µl | | | • | | | | |
| | 0.5 - 10µl | • | • | • | | | | |
| Eppendorf | 2 - 20µl | | | • | • | • | | |
| Reference® | 10 - 100µl | | | | | • | | |
| | 50 -200µl | | | | | | | |
| | 100 - 1000µl | | | | | | | • |

| Pipettor Brand | Model | 2μΙ | 10µl | 10µI , Extended Length | 20µІ | 100µІ | 300µІ | 1250µІ |
|--------------------------------------|---------------------------|-----|------|------------------------|------|-------|-------|--------|
| | 0.5 - 10μΙ | • | • | • | | | | |
| | 2 - 20µl | | | • | • | • | | |
| | 10 - 100µl | | | | | • | • | |
| Eppendorf | 20 - 200µl | | | | | | • | |
| Research® | 30 - 300µl | | | | | | • | |
| | 10 - 100µl/12 | | | | | | • | |
| | 30 - 300µl/12 | | | | | | • | |
| | 100 - 1000µl | | | | | | | • |
| | 0.5 - 10μΙ | • | • | • | | | | |
| | 2 - 20µl | | | • | • | • | | |
| Eppendorf | 10 - 100µl | | | | | • | | |
| Research® Plus | 20 - 200µl | | | | | | • | |
| | 10 - 100µl/12 | | | | | | | |
| | 100 - 1000µl | | | | | | | • |
| Eppendorf Research® pro | 20 - 300µl/12 | | | | | | • | |
| Eppendorf Xplorer®/ Xplorer® plus | 15 - 300µl 50 - 1000µl | | | | | | • | • |
| | 0.5 - 10μΙ | • | • | • | | | | |
| | 2 - 20µl | | | | • | • | | |
| Finnpipette™ | 5 - 50µl | | | | | • | • | |
| riiiipipette | 20 - 200µl | | | | | | • | |
| | 30 - 300µl | | | | | | • | |
| | 100 - 1000µl | | | | | | | • |
| | 0.2 - 2µl | | | • | | | | |
| | 2 - 20µl | | | | | | | |
| Finnpipette™ F1 | 5 - 50µl/12 | | | | | • | | |
| Timpipette II | 20 - 200µl | | | | | | | |
| | 30 - 300µl/12 | | | | | | • | |
| | 100 - 1000µl | | | | | | | • |
| | 2 - 20µl | | | | | | | |
| | 5 - 50µl | | | | | • | | |
| Finnpipette™ F2 | 10 - 100µl | | | | | • | | |
| | 20 - 200µl | | | | | | | |
| | 100 - 1000µl | | | | | | | • |
| | 1 - 10µl | • | • | • | | | | |
| | 20 - 200µl | | | | | | | |
| Finnpipette Digital™ | 50 - 300µl | | | | | | • | |
| p-potto Digital | 0.5 - 10µl /8 | | | • | | | | |
| | 5 - 50µl /8 | | | | | • | | |
| | 50 - 300µl /8 | | | | | | | |

FILTER TIPS COMPATIBILITY CHART CONTINUED

| Pipettor Brand | Model | Ψ | 10µI | 10µI , Extended Length | 20µl | 100µІ | 300µІ | 1250µІ |
|----------------------------------|----------------------------|----------|------|------------------------|------|-------|-------|--------|
| | P2 | | - | • | | | | |
| | P10 | • | • | • | | | | |
| Gilson® | P20 | | | • | • | • | | |
| GIISOII | P100 | | | | | • | | |
| | P200 | | | | | | • | |
| | P1000 | | | | | | | • |
| | 0.2 - 2µl | | | • | | | | |
| | 1 - 10µl | • | • | • | | | | |
| Hamilton® SoftGrip | 2.5 - 25µl | | | | • | • | | |
| Transition Cortonip | 10 - 100µl | | | | | • | • | |
| | 30 - 300µl | | | | | | • | |
| | 100 - 1000µl | | | | | | | • |
| BioPette™ A | 100 - 1200µl | | | | | | | • |
| | 0.5 - 10μΙ | • | • | • | | | | |
| Nichiryo Nichipet | 2 - 20µl | | | • | • | • | | |
| EX II | 10 - 100µl | | | | | • | | |
| | 20 - 200µl | | | | | | • | |
| | 100 - 1000μΙ | | _ | | | | | • |
| | 1 - 10µl | • | • | • | | | | |
| Socorex Calibra® digital 822 | 10 - 100µl | | | | | • | | |
| uigitai 622 | 20 - 200µl | | | | | | • | |
| | 100 - 1000µl | | | | • | | | • |
| VWR Signature™ Ergonomic High | 2 - 20µl 20 - 200µl | | | | | • | | |
| Performance | 20 - 200μι 100 - 1000μl | | | | | | • | • |
| | 0.1 - 2µl | • | • | • | | | | |
| | 0.1 - 2μl 0.5 - 10μl | | | | | | | |
| VWR® Ultra High | 2 - 20µl | | | | | | | |
| Performance | 10 - 100μΙ | | | | | | | |
| | 20 - 200μl | | | | | | | |
| | 100 - 1000µl | | | | | | | |

ROBOTIC TIPS

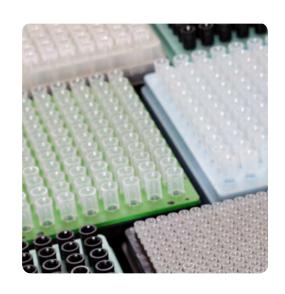
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ROBOTIC TIPS

Biotix robotic tips are manufactured to the highest engineering standards for automation systems. The ultra-straight tips target the center of microplate wells, delivering exceptional accuracy and precision without risk of jamming. With specifications to ensure complete compatibility, no changes in programming scripts should be necessary to use Biotix robotic tips; use of the standard definitions bundled in the robotic software program is appropriate.

As with all Biotix liquid handling products, robotic tips are BioReady $^{\text{TM}}$ certified to be free of RNase-, DNase-, and Endotoxin (pyrogens), and are available non-sterile or pre-sterile.



| 96-FORMAT ROBOTIC TIPS FOR AGILENT® PLATFORMS | | | | | | |
|---|--|--|--------|---------------|--|--|
| | BIOTIX PART NUMBER | DESCRIPTION | VOLUME | PACKAGING | | |
| Agilent VPrep® and Bravo® Automated Liquid Handling Systems | A-0250-9NC | Robotic tip for Agilent VPrep/Bravo, Clear, | 250µl | 10 racks/pack | | |
| | The state of the s | 96 tips/rack | 250μι | 5 packs/case | | |
| | A-0250-9SC | Robotic tip for Agilent VPrep/Bravo, Clear, 96 tips/rack, Pre-sterile | 250µl | 10 racks/pack | | |
| | | | | 5 packs/case | | |
| | A-0250-9FC | Filtered robotic tip for Agilent VPrep/Bravo, | 400 1 | 10 racks/pack | | |
| 0,0000 | | Clear, 96 tips/rack, Pre-sterile | 180µl | 5 packs/case | | |

| 96-FORMA | 96-FORMAT ROBOTIC TIPS FOR BECKMAN® PLATFORMS | | | | | |
|---------------------|---|---|--------|---------------|--|--|
| | BIOTIX PART NUMBER | DESCRIPTION | VOLUME | PACKAGING | | |
| | BS-0020-9NC | Robotic tip for Beckman FX, 96 tips/rack, Clear | 100 | 10 racks/pack | | |
| | | Robotic tip for beckfillari FA, 90 tips/fack, Clear | 100µl | 5 packs/case | | |
| | BS-0020-9SC | Robotic tip for Beckman FX, 96 tips/rack, Clear, | 100µl | 10 racks/pack | | |
| | | Pre-sterile | ισομι | 5 packs/case | | |
| | BS-0020-9FC | Filtered robotic tip for Beckman FX, 96 tips/rack, | 20µl | 10 racks/pack | | |
| | | Clear, Pre-sterile | Ζυμι | 5 packs/case | | |
| | BS-0050-9NC | Dahatia tin fan Daalmaan EV 00 tinalaali. Olaan | 90µl | 10 racks/pack | | |
| Biomek® | | Robotic tip for Beckman FX, 96 tips/rack, Clear | | 5 packs/case | | |
| FX/NX, Multimek® | BS-0050-9SC | Robotic tip for Beckman FX, 96 tips/rack, Clear, | 90µl | 10 racks/pack | | |
| AP96, Biomek® | | Pre-sterile | | 5 packs/case | | |
| 3000 | BS-0050-9FC | Filtered robotic tip for Beckman FX, 96 tips/rack, | 50µl | 10 racks/pack | | |
| | | Clear, Pre-sterile | | 5 packs/case | | |
| | BS-0250-9NC | Dahatia tin fan Daalunaan EV 00 tina/aaala Olaan | 220µl | 10 racks/pack | | |
| | | Robotic tip for Beckman FX, 96 tips/rack, Clear | | 5 packs/case | | |
| | BS-0250-9SC | Robotic tip for Beckman FX, 96 tips/rack, Clear, | 000 1 | 10 racks/pack | | |
| | | Pre-sterile | 220µl | 5 packs/case | | |
| | BS-0250-9FC | Filtered robotic tip for Beckman FX, 96 tips/rack, | 125ul | 10 racks/pack | | |
| | | Clear, Pre-sterile | 125µl | 5 packs/case | | |

| 96-FORMAT | 96-FORMAT ROBOTIC TIPS FOR BECKMAN® PLATFORMS | | | | | | |
|----------------------|---|---|--------|---------------|--|--|--|
| | BIOTIX PART NUMBER | DESCRIPTION | VOLUME | PACKAGING | | | |
| | B8-0020-9NB | Robotic tip for Beckman SPAN-8, Black, | 20µl | 10 racks/pack | | | |
| | | 96 tips/rack | 20μι | 5 packs/case | | | |
| | B8-0020-9SB | Robotic tip for Beckman SPAN-8, Black, | 20µl | 10 racks/pack | | | |
| | | 96 tips/rack, Pre-sterile | 20μ1 | 5 packs/case | | | |
| Biomek® | B8-0020-9FB | Robotic filter tip for Beckman SPAN-8, Black, | 20µl - | 10 racks/pack | | | |
| FX/NX with SPAN-8 | | 96 tips/rack, Pre-sterile | | 5 packs/case | | | |
| Liquid-level | B8-0250-9NB | Robotic tip for Beckman SPAN-8, Black, | | 10 racks/pack | | | |
| Sensing Head | | 96 tips/rack | | 5 packs/case | | | |
| | B8-0250-9SB | Robotic tip for Beckman SPAN-8, Black, | 250µl | 10 racks/pack | | | |
| | | 96 tips/rack, Pre-sterile | Ζουμι | 5 packs/case | | | |
| | B8-0250-9FB | Robotic filter tip for Beckman SPAN-8, Black, | 250µl | 10 racks/pack | | | |
| | | 96 tips/rack, Pre-sterile | | 5 packs/case | | | |

| | BIOTIX PART NUMBER | DESCRIPTION | VOLUME | PACKAGING |
|---|--------------------|--|--------|---------------|
| | TT-0050-9RNC | Robotic tip for Tecan Temo/EVO, Clear, | F0l | 10 racks/pack |
| - Tecan | | 96 tips/rack | 50µl | 5 packs/case |
| eMo™, | TT-0050-9RSC | Robotic tip for Tecan Temo/EVO, Clear, | 50I | 10 racks/pack |
| Freedom EVO®, | | 96 tips/rack, Pre-sterile | 50µl | 5 packs/case |
| ephyr® SPE, nd BioTek® | TT-0200-9RNC | Robotic tip for Tecan Temo/EVO, Clear, | 200µl | 10 racks/pack |
| recision™ | | 96 tips/rack | 200μι | 5 packs/case |
| ystems | TT-0200-9RSC | Robotic tip for Tecan Temo/EVO, Clear, | 200µl | 10 racks/pack |
| | | 96 tips/rack, Pre-sterile | 200μι | 5 packs/case |
| | T-0020-9NB | Robotic tip for Tecan Genesis, Hanging (LiHa) Liquid Sensing, Black, 96 tips/rack | 20µl | 24 racks/case |
| Tecan Genesis® Freedom EVO® and MiniPrep, Cavro®, PerkinElmer™/ Packard™ MultiPROBE™ II HT, and MultiPROBE™ II HT EX workstations | T-0020-9SB | Robotic tip for Tecan Genesis, Hanging (LiHa) Liquid Sensing, Black, 96 tips/rack, Pre-sterile | 20µl | 24 racks/case |
| | T-0020-9FB | Robotic filter tip for Tecan Genesis, Hanging (LiHa) Liquid Sensing, Black, 96 tips/rack, Pre-sterile | 20µl | 24 racks/case |
| | T-0200-9NB | Robotic tip for Tecan Genesis, Hanging (LiHa) Liquid Sensing, Black, 96 tips/rack | 200µl | 24 racks/case |
| | T-0200-9SB | Robotic tip for Tecan Genesis, Hanging (LiHa) Liquid Sensing, Black, 96 tips/rack, Pre-sterile | 200µl | 24 racks/case |
| | T-0200-9FB | Robotic filter tip for Tecan Genesis, Hanging (LiHa) Liquid Sensing, Black, 96 tips/rack, Pre-sterile | 200µl | 24 racks/case |
| | T-1000-9NB | Robotic tip for Tecan Genesis, Hanging (LiHa) Liquid Sensing, Black, 96 tips/rack | 1000µl | 16 racks/case |
| | T-1000-9SB | Robotic tip for Tecan Genesis, Hanging (LiHa) Liquid Sensing, Black, 96 tips/rack; Pre-sterile | 1000µl | 16 racks/case |
| | T-1000-9FB | Robotic filter tip for Tecan Genesis, Hanging (LiHa) Liquid Sensing, Black, 96 tips/rack, Pre-sterile | 1000µl | 16 racks/case |

ROBOTIC TIPS CONTINUED

| 96-FORMAT R | OBOTIC TIPS FOR TECAN® PLATFORMS | | | |
|--|----------------------------------|--|-------------|---------------|
| | BIOTIX PART NUMBER | DESCRIPTION | VOLUME | PACKAGING |
| | T-0020-9NC | Robotic tip for Tecan Genesis, Hanging (LiHa) Clear, 96 tips/rack | 20µl | 24 racks/cs |
| | T-0020-9SC | Robotic tip for Tecan Genesis, Hanging (LiHa) Clear, 96 tips/rack, Pre-sterile | 20µl | 24 racks/cs |
| Tecan | T-0020-9FC | Robotic filter tip for Tecan Genesis, Hanging (LiHa) Liquid Sensing, Clear, 96 tips/rack, Pre-sterile | 20µl | 24 racks/cs |
| Genesis® Freedom EVO® and MiniPrep, | T-0200-9NC | Robotic tip for Tecan Genesis, Hanging (LiHa) Clear, 96 tips/rack | 200µl | 24 racks/cs |
| Cavro®, PerkinElmer™/ Packard™ | T-0200-9SC | Robotic tip for Tecan Genesis, Hanging (LiHa) Clear, 96 tips/rack, Pre-sterile | 200µl | 24 racks/cs |
| MultiPROBE™ II HT, and MultiPROBE™ | T-0200-9FC | Robotic filter tip for Tecan Genesis, Hanging (LiHa) Liquid Sensing, Clear, 96 tips/rack, Pre-sterile | 200µl | 24 racks/cs |
| II HT EX workstations | T-1000-9NC | Robotic tip for Tecan Genesis, Hanging (LiHa) Clear, 96 tips/rack | 1000µl | 16 racks/cs |
| | T-1000-9SC | Robotic tip for Tecan Genesis, Hanging (LiHa) Clear, 96 tips/rack, Pre-sterile | 1000µl | 16 racks/cs |
| | T-1000-9FC | Robotic filter tip for Tecan Genesis, Hanging (LiHa) Liquid Sensing, Clear, 96 tips/rack, Pre-sterile | 1000µl | 16 racks/cs |
| | TM-0050-9RNC | Robotic tip for MCA96, Clear, | 50µl | 8 trays/pack |
| | | 8 nested trays/pack | | 10 packs/case |
| | TM-0050-9RSC | Robotic tip for MCA96, Clear, | 50 1 | 8 trays/pack |
| | | 8 nested trays/pack, Pre-sterile | 50µl | 10 packs/case |
| | TM-0050-9NC | Robotic tip for MCA96, Clear, 96 tips/rack | 50µl | 10 racks/pack |
| | | Robotic tip for MCA96, Clear, 96 tips/rack | | 5 packs/case |
| | TM-0050-9SC | Robotic tip for MCA96, Clear, 96 tips/rack, | F0l | 10 racks/pack |
| | | Pre-sterile | 50µl | 5 packs/case |
| Multichannel Arm™ 96 | TM-0050-9FC | Robotic filter tip for Tecan Genesis, Hanging (LiHa) | 50.1 | 10 racks/pack |
| Option (MCA96) | | Liquid Sensing, Clear, 96 tips/rack, Pre-sterile | 50µl | 5 packs/case |
| on Tecan | TM-0200-9RNC | Robotic tip for MCA96, Clear, | 200µl | 8 trays/pack |
| Freedom EVO® | | 8 nested trays/pack | 200μι | 10 packs/case |
| 2,00 | TM-0200-9RSC | Robotic tip for MCA96, Clear, 8 nested trays/ | 200µl | 8 trays/pack |
| | | pack, Pre-sterile | 200μι | 10 packs/case |
| | TM-0200-9NC | Pohotic tip for MCAGE Close Of tipolescle | 200µl | 10 racks/pack |
| | | Robotic tip for MCA96, Clear, 96 tips/rack | 200μι | 5 packs/case |
| | TM-0200-9SC | Robotic tip for MCA96, Clear, 96 tips/rack, | 200.1 | 10 racks/pack |
| | | Pre-sterile | 200µl | 5 packs/case |
| | TM-0200-9FC | Robotic filter tip for Tecan Genesis, Hanging (LiHa) | 150 | 10 racks/pack |
| | | Liquid Sensing, Clear, 96 tips/rack, Pre-sterile | 150µl | 5 packs/case |

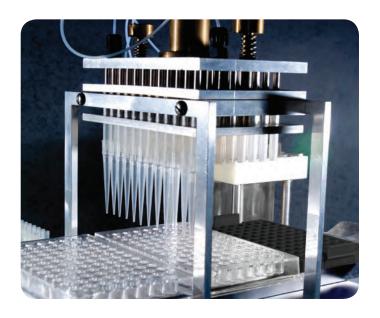
| 384-FORMAT | 384-FORMAT ROBOTIC TIPS FOR AGILENT® PLATFORMS | | | | | |
|----------------------------|--|--|--------|---------------|--|--|
| | BIOTIX PART NUMBER | DESCRIPTION | VOLUME | PACKAGING | | |
| | VB-0030-3SC | Robotic tip for Agilent Velocity 11, | 30µl | 10 racks/pack | | |
| | | 384-head, Clear, Pre-sterile | συμι | 5 packs/case | | |
| Agilent | VB-0030-3FC VB-0071-3SC | Filtered robotic tip for Agilent Velocity 11, 384-head, Clear, Pre-sterile | 15µl | 10 racks/pack | | |
| Velocity 11® VPrep® and | | | | 5 packs/case | | |
| Bravo® with | | Robotic tip for Agilent Velocity 11, | 70µl | 10 racks/pack | | |
| 384-head | | 384-head, Clear, Pre-sterile | | 5 packs/case | | |
| | VB-0071-3FC | Filtered robotic tip for Agilent Velocity 11, | 70 | 10 racks/pack | | |
| | | 384-head, Clear, Pre-sterile | 70µl | 5 packs/case | | |

| 384-FORMAT ROBOTIC TIPS FOR BECKMAN® PLATFORMS | | | | | |
|--|--------------------|--|--------|---------------|--|
| | BIOTIX PART NUMBER | DESCRIPTION | VOLUME | PACKAGING | |
| | BA-0030-3SC | Robotic tip for Beckman FX/NX, 384-head, | 30µl | 10 racks/pack | |
| | | Clear, Pre-sterile | συμι | 5 packs/case | |
| | BA-0030-3FC | Filtered robotic tip for Beckman FX/NX, 384-head, Clear, Pre-sterile | 30µl | 10 racks/pack | |
| Beckman Biomek® FX/ | | | | 5 packs/case | |
| NX with 384- head | BA-0051-3SC | Robotic tip for Beckman FX/NX, 384-head, | 50µl | 10 racks/pack | |
| neau | | Clear, Pre-sterile | | 5 packs/case | |
| | BA-0051-3FC | Filtered robotic tip for Beckman FX/NX, 384-head, Clear, Pre-sterile | 45µl | 10 racks/pack | |
| | | | | 5 packs/case | |

| 384-FORMAT ROBOTIC TIPS FOR MOLECULAR DEVICES® PLATFORMS | | | | | |
|--|--------------------|--|--------|---------------|--|
| | BIOTIX PART NUMBER | DESCRIPTION | VOLUME | PACKAGING | |
| Molecular | F-0030-3SC | Robotic tip for Molecular Devices, 384-head, Clear, Pre-sterile | 30µl | 10 racks/pack | |
| Devices | | oo i nodd, clodi, i ro ddino | | 5 packs/case | |
| FLIPR® Liberty® head | F-0030-3SB | Robotic tip for Molecular Devices, | 30µl | 10 racks/pack | |
| | | 384-head, Black, Pre-sterile | σομι | 5 packs/case | |

ROBOTICS LABORATORY

Biotix produces the best robotic tips on the market. To meet this standard, each lot of Biotix robotics product is tested in our on-site automation laboratory. By verifying compatibility and performance against each liquid handling system, Biotix leads the industry in quality.



STATIX™

For years, laboratory automation systems have been plagued by static. The effects of this atmospheric condition can cause unmanned pieces of high-end equipment to jam and ruin an experiment or worse, a piece of equipment. Biotix has created Statix™, a patented technology that works to prevent and remove static build-up. Statix™ consists of a copper grounding tab, conductive pillow and a conductive snap card, that prevents and dissipates static. This technology is available on Biotix 384-style robotic tips.



PLATES FOR HIGH THROUGHPUT SCREENING

| | ASSAY PLATES | 24 |
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| | • V-Bottom | 24 |
| | • U-Bottom | 24 |
| | DEEP WELL PLATES | 25 |
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| | 96-square well | 25 |
| \times \times \times | • 384-square well | |
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PLATES

Biotix offers a complete line of 96 and 384-well plates for high throughput screening applications. With dimensions tightly conforming to ANSI/SBS 1-2004 standards, these plates are a perfect pairing with Biotix robotic tips. All plates are made from non-treated, medical-grade virgin polypropylene for excellent chemical and temperature resistance. Raised alphanumeric grids help with sample identification, while notched plate corners support correct plate orientation. Each lot is BioReady™ certified for the most sensitive assays.





ASSAY PLATES

The larger diameter wells of Biotix 96-well assay plates make them ideal for a broad range of applications including compound libraries and combinatorial chemistry. Raised "chimney" wells reduce cross-contamination and allow secure application of cap mats and sealing films.

| ASSAY PLATES | BIOTIX PART NUMBER | DESCRIPTION | VOLUME/WELL | PACKAGING |
|---|--------------------|--|-------------|----------------|
| | AP-0350-9CV | Acces Distance and M. Dutters | 330µl | 10 plates/pack |
| | AF-0330-90V | Assay Plate, 96-well, V-Bottom | | 10 packs/case |
| 000000000000000000000000000000000000000 | AP-0350-9CVS | Assay Plate, 96-well, V-Bottom, Pre-sterile | 330µl | 10 plates/pack |
| | AP-0300-90 V3 | | | 10 packs/case |
| | AD 0050 00H | Assay Plate, 96-well, U-Bottom | 350µl | 10 plates/pack |
| | AP-0350-9CU | | | 10 packs/case |
| 600000000000000000000000000000000000000 | AD 0050 00110 | Assay Plate, 96-well, U-Bottom, | 050 | 10 plates/pack |
| | AP-0350-9CUS | Pre-sterile | 350µl | 10 packs/case |

DEEP WELL MICROPLATES

These sturdy deep well plates can support centrifugation up to 6,000 RCF when supported by the appropriate plate rotor. Plates are also stackable to save space in incubators and freezers.

| DEEP WELL MICROPLATES | BIOTIX PART NUMBER | DESCRIPTION | VOLUME/WELL | PACKAGING |
|--|--------------------|---|-------------|----------------|
| THE STATE OF THE S | DD 4000 0CU | Deep-well microplate, 96-round well, U-Bottom | 1.2ml | 5 plates/pack |
| | DP-1200-9CU | | | 10 packs/case |
| 8658555 | DD 4200 0CH2 | Deep-well microplate, | 1.2ml | 5 plates/pack |
| | DP-1200-9CUS | 96-round well, U-Bottom, Pre-sterile | 1.21111 | 10 packs/case |
| | DP-1200-9CUI | Deep-well Microplate, 96-round well, U-Bottom, | 1.2ml | 5 plates/pack |
| | DP-1200-9G01 | Individual well format | 1.21111 | 10 packs/case |
| #888888 | DP-1200-9CUIS | Deep-well Microplate, 96-round well, U-Bottom, | 1.2ml | 5 plates/pack |
| | DP-1200-9C015 | Individual well format, Pre-sterile | 1.21111 | 10 packs/case |
| | DP-1200-9CV | Deep-well Microplate, | 1.2ml | 10 plates/pack |
| | DP-1200-9GV | 96-square well, V-Bottom | 1.2mi | 10 packs/case |
| | DP-1200-9CVS | Deep-well Microplate, 96-square well, V-Bottom, Pre-sterile | 1.2ml | 10 plates/pack |
| | | | | 10 packs/case |
| | DP-2200-9CV | Deep-well Microplate, | 2.2ml | 5 plates/pack |
| | DF-2200-30 V | 96-square well, V-Bottom | | 10 packs/case |
| | DP-2200-9CVS | Deep-well Microplate, 96-square well, V-Bottom, | 2.2ml | 5 plates/pack |
| L. Harrison | DF-2200-90 V3 | Pre-sterile | | 10 packs/case |
| | DP-0120-3CS | Deep-well Microplate, | 120µl | 10 plates/pack |
| | DF -0120-303 | 384-square well | | 10 packs/case |
| | DP-0120-3CSS | Deep-well Microplate, | | 10 plates/pack |
| | DF-0120-3033 | 384-square well, Pre-sterile | | 10 packs/case |
| | DP-0190-3CS | Deep-well Microplate, 384-square well | 190µl | 10 plates/pack |
| | DF -0130-30-3 | | | 10 packs/case |
| | DP-0190-3CSS | Deep-well Microplate, | 400 | 10 plates/pack |
| | DI -0190-0000 | 384-square well, Pre-sterile | 190µl | 10 packs/case |

SEALING MATS FOR 96 AND 384-WELL PLATES

Specifically designed for Biotix assay and deep-well microplates, these re-usable sealing mats are cost-effective and ideal for sample processing and storage applications. Biotix sealing mats are made of high quality silicone, enabling repeated autoclaving, bleach and ethanol rinses. Mats for 96-well plates are pre-scored for piercing with standard pipette tips. 384-style sealing mats are pierceable with a syringe. All mats support a wide temperature range from -80°C to +121°C

| SEALING MATS FOR 96 AND 384-WELL PLATES | DESCRIPTION | PACKAGING | COMPATIBLE BIOTIX PLATE PART NUMBER |
|--|--|--------------|-------------------------------------|
| MS-DWP-9SP | Plate Sealing Mat, 96-Square Well, Pre-scored with (+) | 10 mats/pack | DP-1200-9CV DP-1200-9CVS |
| | over each well | 5 packs/case | DP-2200-9CV DP-2200-9CVS |
| MS-DWP-9RDP Plate Sealing Mat, 96-Round Well, Pre-scored with | | 10 mats/pack | DP-1200-9CUI |
| over each well | over each well | 5 packs/case | DP-1200-9CUIS |
| MS-DWP-9RP | Plate Sealing Mat, 96-Round Well, Pre-scored with (+) | 10 mats/pack | DP-1200-9CU |
| | over each well | | DP-1200-9CUS |
| MS-DWP-3S | Dista Casilian Mat. 204 Carrens Wall | 10 mats/pack | DP-0120-3CS DP-0120-3CSS |
| | Plate Sealing Mat, 384-Square Well | 5 packs/case | DP-0190-3CS DP-0190-3CSS |

REAGENT RESERVOIRS

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REAGENT RESERVOIRS

Biotix disposable reagent reservoirs are designed for use with multi-channel pipetting applications and can accommodate up to 12-channel pipettes. Angled sides and a V-shaped bottom allow maximum recovery of reagents. All reservoirs feature internal graduated volume lines and pour-spouts on the corners. Choose from white or clear polystyrene (PS) in several packaging configurations, or opaque chloride (PVC) in bulk packaging.



| BIOTIX PART NUMBER | DESCRIPTION | VOLUME | PACKAGING |
|--------------------------|--|--------|---------------------|
| SR-0100-5SNM | | | 5 reservoirs/bag |
| | Polystyrene Reagent Reservoir, Pre-sterile | 100ml | 10 bags/pack |
| | | | 4 packs/case |
| SR-0100-1SNM | | | 1 reservoir/bag |
| | Polystyrene Reagent Reservoir, Pre-sterile | 100ml | 20 bags/pack |
| | | | 4 packs/case |
| SR-0100-BNM | | | Bulk |
| | Polystyrene Reagent Reservoir | 100ml | 100 reservoirs/pack |
| | | | 4 packs/case |
| SR-0055-5SNM | | | 5 reservoirs/bag |
| | Polystyrene Reagent Reservoir, Pre-sterile | 55ml | 10 bags/pack |
| | | | 4 packs/case |
| SR-0055-1SNM | | | 1 reservoir/bag |
| | Polystyrene Reagent Reservoir, Pre-sterile | 55ml | 20 bags/pack |
| | | | 4 packs/case |
| SR-0055-BNM | | | Bulk |
| | PVC Reagent Reservoir | 55ml | 100 reservoirs/pack |
| | | | 4 packs/case |
| SL-0055-BCM | Lid for Reagent Reservoirs, APET | n/a | 20 lids/pack |
| 55ML Reservoir Accessory | Liu for Reagent Reservoirs, AFET | II/a | 5 packs/case |
| SR-0025-5SWM | | | 5 reservoirs/bag |
| | Polystyrene Reagent Reservoir, Pre-sterile | 25ml | 10 bags/pack |
| | | | 4 packs/case |

REAGENT RESERVOIRS

| BIOTIX PART NUMBER | DESCRIPTION | VOLUME | PACKAGING |
|---|---|--------|---------------------|
| SR-0025-1SWM | | | 1 reservoir/bag |
| | Polystyrene Reagent Reservoir, Pre-sterile | 25ml | 20 bags/pack |
| | | | 4 packs/case |
| SR-0025-BWM | | | Bulk |
| | Polystyrene Reagent Reservoir | 25ml | 100 reservoirs/pack |
| | | | 4 packs/case |
| SR-0025-53SWM | | | 5 reservoirs/bag |
| | Polystyrene 3-Well Divided Reagent Reservoir, Pre-sterile | 25ml | 10 bags/pack |
| | | | 4 packs/case |
| SR-0025-13SWM | | | 1 reservoir/bag |
| | Polystyrene 3-Well Divided Reagent Reservoir, Pre-sterile | 25ml | 20 bags/pack |
| | | | 4 packs/case |
| SR-0025-B3WM | | | Bulk |
| | Polystyrene 3-Well Divided Reagent Reservoir | 25ml | 100 reservoirs/pack |
| | | | 4 packs/case |
| SR-0050-5SC | Deletere Bernel Bernel's factor beating Distinguish | 50ml | 5 reservoirs/bag |
| | Polystyrene Reagent Reservoir for Automation Platforms; ANSI/SBS 1-2004 Compliant; Pre-sterile | | 000/ |
| | | | 200/case |
| SR-0050-1SC | | | 1 reservoir/bag |
| | Polystyrene Reagent Reservoir for Automation Platforms; ANSI/SBS 1-2004 Compliant; Pre-sterile | 50ml | 400/ |
| | | | 100/case |
| SR-0050-BC | | | Bulk |
| | Polystyrene Reagent Reservoir for Automation Platforms; ANSI/SBS 1-2004 Compliant | 50ml | 400/ |
| | | | 100/case |
| SR-0100-5SC | Debut was Decreet Decree in factor than Distance | | 5 reservoirs/bag |
| | Polystyrene Reagent Reservoir for Automation Platforms; ANSI/SBS 1-2004 Compliant; Pre-sterile | 100ml | 000/ |
| | | | 200/case |
| SR-0100-1SC | Delyahurana Daggart Dagar sir fas Automotion Disting | 100ml | 1 reservoir/bag |
| | Polystyrene Reagent Reservoir for Automation Platforms; ANSI/SBS 1-2004 Compliant; Pre-sterile | | 400/ |
| | | | 100/case |
| SR-0100-BC | Delvehmana Daggart Daggarin for A. L | | Bulk |
| Polystyrene Reagent Reservoir for Automation Platforms; ANSI/SBS 1-2004 Compliant | | 100ml | 100/ |
| | | | 100/case |

MICROCENTRIFUGE TUBES



MICROCENTRIFUGE TUBES

Made of medical-grade virgin polypropylene, these snap-cap microcentrifuge tubes feature superior clarity for visualization of samples and isolated pellets. A frosted side panel and cap provides the ideal surface area for writing. Tubes featuring X-Resin provide ultra-low binding characteristics perfect for protein samples. Available in 0.6ml, 1.5ml and 2.0ml volumes, these tubes can be centrifuged up to 20,000 RCF and support the most rigorous laboratory protocols.



| | BIOTIX PART NUMBER | DESCRIPTION | VOLUME | PACKAGING |
|------------------|--------------------|--|----------|--|
| | MT 0005 DO | N' 17 T. O | 0.65ml | 1,000 tubes/bag |
| | MT-0065-BC | Microcentrifuge Tube, Clear | | 10 bags/case |
| | MT 0005 DOO | Microcentrifuge Tube, Clear, | 0.051 | 500 tubes/bag |
| | MT-0065-BCS | Pre-sterile | 0.65ml | 10 bags/case |
| | MTI 0005 DC | Microcentrifuge Tube, Clear, X-Resin | 0.65.001 | 1,000 tubes/bag |
| | MTL-0065-BC | for low retention | 0.65ml | 10 bags/case |
| U | | Microcentrifuge Tube, Assorted | 0.05 | 1,000 tubes/bag |
| | MT-0065-R | Colors (blue/yellow/green/orange/red) | 0.65ml | 10 bags/case (2 bags of each color) |
| | MT 0450 DO | Missassatrifusa Tulas Olassa | 4.5 | 500 tubes/bag |
| | MT-0150-BC | Microcentrifuge Tube, Clear | 1.5ml | 10 bags/case |
| | MT-0150-BCS | Microcentrifuge Tube, Clear, Pre-sterile | 1.5ml | 250 tubes/bag |
| | | | | 10 bags/case |
| 2.15 | MTL-0150-BC | Microcentrifuge Tube, Clear, X-Resin for low retention | 1.5ml | 500 tubes/bag |
| V ₀ . | | | | 10 bags/case |
| U | | Microcentrifuge Tube, | 1.5ml | 500 tubes/bag |
| | MT-0150-R | MT-0150-R Assorted Colors (blue/yellow/green/orange/red) | | 10 bags/case (2 bags of each color) |
| | MT 0200 DC | | 0.01 | 500 tubes/bag |
| | MT-0200-BC | Microcentrifuge Tube, Clear | 2.0ml | 10 bags/case |
| 12 | MT 0000 DOC | Microcentrifuge Tube, Clear, | 2.0ml | 250 tubes/bag |
| | MT-0200-BCS | Pre-sterile | | 10 bags/case |
| | MTL-0200-BC | Microcentrifuge Tube, Clear, X-Resin | 2.0ml | 500 tubes/bag |
| | IVI I L-0200-BC | for low retention | Z.UMI | 10 bags/case |
| | | Microcentrifuge Tube, | | 500 tubes/bag |
| | MT-0200-R | Assorted Colors 2.1 (blue/yellow/green/orange/red) | | 10 bags/case (2 bags of each color) |

PCR TUBES & PLATES

| PCR TUBES | .33 |
|--|-----|
| 0.2ml Individual PCR Tubes | .33 |
| 8-Strip PCR Tubes | .33 |
| 8-Strip PCR Caps | .33 |
| PCR PLATES | .33 |
| • 96-well, Non-skirted | .33 |
| 96-well, Half-skirted | .33 |
| 96-well, Full-skirted | .33 |
| • 96-well, Opaque white for LightCycler™ | .33 |
| • 384-well, Full-skirted | .33 |
| | |

PCR TUBES & PLATES

Biotix PCR Tubes and Plates are manufactured and tested to ensure robust amplification under the most exacting protocols. Made from medical-grade virgin polypropylene, these tubes and plates feature an ultra-thin wall that provides excellent thermal transfer with PCR heat blocks. All PCR products are free of PCR inhibitors and other interfering extractables. They are BioReady™ Certified for purity.



| PCR TUBES | DESCRIPTION | VOLUME | PACKAGING |
|-------------------|--|---------|------------------|
| PCT-0002-1CT | PCR Tube, Flat Cap, Clear | 0.2ml | 1,000 tubes/pack |
| | r Cik Tube, Hat Cap, Clear | 0.21111 | 10 packs/case |
| PCT-0002-8C | | | 125 tubes/pack |
| | 8-Strip PCR Tubes, Clear | 0.2ml | |
| | | | 10 tubes/case |
| PCT-0002-8CF | | | 125 caps/pack |
| # 0303030303030 # | 8-Strip Flat Caps for 0.2ml PCR Strip Tubes & Plates | n/a | |
| | a . latos | | 10 packs/case |

| PCR PLATES | DESCRIPTION | VOLUME | PACKAGING |
|------------------|--|--------|----------------|
| P-0200-9C | PCR Plate, 96-well, Non-Skirted, Clear | 200µl | 10 plates/pack |
| | 1 ON Flate, 30-well, Non-Onlited, Olean | 200μ1 | 5 packs/case |
| P-0200-9CHS | PCR Plate, 96-well, Half-Skirted, Clear | 200µl | 10 plates/pack |
| | T GIVT late, 30-well, Flail-Gillett, Gleaf | 200μ1 | 5 packs/case |
| P-0200-9CFS | PCR Plate, 96-well, Full-Skirted, Clear | 000 1 | 10 plates/pack |
| | POR Plate, 90-well, Full-Skilleu, Gleaf | 200µl | 5 packs/case |
| P-0100-9CHS | PCR Plate, 96-well, Half-Skirted, Opaque White | 400 | 10 plates/pack |
| for LightCycler™ | | 100µl | 5 packs/case |
| P-0050-3CFS | DCD Diato 294 well Full Skirted Class | 50 | 10 plates/pack |
| | PCR Plate, 384-well, Full-Skirted, Clear | 50µl | 5 packs/case |

BEST PRACTICES FOR LABORATORY PLASTICS

With our Xtreme Quality™ philosophy, Biotix produces laboratory consumables that are among the highest quality in the industry. Our tightly controlled ISO 9001 certified production facility, coupled with our rigorous inspection requirements, ensure that our products are molded to strict quality specifications to produce the best results in your laboratory. By utilizing best practices for storing and using laboratory plastics, Biotix products will perform as well in your hands as they do in ours.

STORAGE

When stored properly, Biotix products have a long shelf life and maintain high quality performance. Store at room temperature and away from prolonged sun exposure which can yellow plastics over time. Maintain a First In, First Out (FIFO) process for inventory control.

AUTOCLAVING

All products from Biotix are BioReady™ Certified to be free of detectable RNase, DNase, Nucleic Acids, Endotoxins (pyrogens) and PCR inhibitors. Biotix recommends purchasing Pre-Sterile products if an additional level of purity is required. If your laboratory procedure requires autoclaving non-sterile purchased products, please adhere to the following guidelines:

- Set autoclave for 121°C, 15 PSI (1 atm) for 15 minutes
- Unlike glassware, do not use a "dry cycle" as this may distort and damage plastic products
- Remove product from autoclave after it has cooled and store appropriately

Biotix discourages autoclaving of robotic pipette tips, PCR tubes and PCR plates due to the warping/distortion that autoclaving can introduce to these high precision products.



CHEMICAL RESISTANCE

Before initiating use of laboratory plastic consumables for a new assay, please review the chemical resistance chart to verify compatibility. Because of the unique applications in life science research (temperature, pressure, contact duration, material stress, etc.), it is always a best practice to carry out a performance test to your unique protocol.

USE OF PLATES & TUBES IN CENTRIFUGATION

Before using any plate or tube in centrifugation, please refer to the product specifications to determine maximum centrifugation speeds. It is also important to understand the difference between Revolutions Per Minute (RPM) and Relative Centrifugal Force (RCF). Of the two specifications, RCF, or G force, is a standard unit of measurement across all centrifuges and can be calculated using the formula provided below. Setting the RCF too high can cause products to crack and shatter. Make sure you are using the appropriate RCF speed, and not RPM.

CALCULATING RCF

RCF = 0.00001118 x radius of centrifuge rotor (cm) x RPM2

SAMPLE STORAGE IN FREEZER

Products such as Biotix microcentrifuge tubes and deep-well plates are often used for sample storage as they can withstand temperatures as low as -80°C. Water density expands by approximately 81/3% upon freezing, so be sure to have allowance for expansion when placing your samples in the tubes and plates.

For detailed product specification sheets and technical studies, visit www.biotix.com/support

CHEMICAL RESISTANCE CHART

The information in this chart has been supplied to Biotix by various reputable raw material manufacturers, and is to be used only as a guide in selecting products for appropriate chemical compatibility. These values are based on laboratory tests with raw materials. Plastic components produced from these raw materials are frequently subject to influences that cannot be recognized in standard tests (temperature, pressure, material stress, etc.). In critical cases, it is essential that a test is carried out first to your unique protocol. Biotix does not warrant (neither express nor implied) that the information in this chart is accurate or complete, or that any material is suitable for any purpose. No legal claims can be derived from this information, nor do we accept any liability for it.

General Physical Properties

| Classes of substances; 20°C | HDPE | LDPE | PC | PP |
|-------------------------------|------|------|----|----|
| Acids, weak or dilute | Е | Е | Е | Е |
| Acids, strong or concentrated | Е | Е | G | Е |
| Alcohols, aliphatic | Е | Е | G | Е |
| Aldehydes | G | G | F | G |
| Bases | Е | Е | N | Е |
| Esters | G | G | N | G |
| Hydrocarbons, aliphatic | F | G | F | G |
| Hydrocarbons, aromatic | F | G | N | F |
| Hydrocarbons, halogenated | N | F | N | F |
| Ketones | G | G | N | G |
| Oxidizing agents, strong | F | F | N | F |

Chemical Resistance Chart

| Reagent | HDPE | LDPE | PC | PP |
|-----------------------|------|------|----|----|
| Acetaldehyde | С | С | C1 | A1 |
| Acetamide | А | А | D | A1 |
| Acetate Solvent | A | А | - | B1 |
| Acetic Acid | А | A2 | B1 | B1 |
| Acetic Acid 20% | A | А | A1 | A1 |
| Acetic Acid 80% | A | D | B1 | А |
| Acetic Acid, GlacialD | D | B1 | A1 | D |
| Acetic Anhydride | С | D | D | B1 |
| Acetone, 50% water | - | - | - | А |
| Acetone | D | B1 | D | А |
| Acetonitrile | A | А | D | A1 |
| Acetophenone | С | D | D | С |
| Acetyl Chloride (dry) | - | D | D | D |
| Acetylene | - | D | D | A1 |
| Acrylonitrile | А | А | D | A1 |
| Adipic Acid | A | А | - | B2 |
| Alanine | A | А | А | А |
| Alcohols | | | | |
| - Amyl | A | B2 | B1 | B1 |
| - Benzyl | В | D | - | А |
| - Butyl | - | А | A2 | А |
| - Diacetone | А | B1 | - | B2 |
| - Ethyl | А | В | B2 | Α |
| - Isobutyl | A | A2 | - | A1 |
| - Isopropyl | а | A2 | A2 | A2 |

Plastics Acronym Chart

Low Density Polyethylene LDPE
High Density Polyethylene HDPE
Polycarbonate PC
Polypropylene PP

A = No effect
B = Minor Effect

Explanation of Footnotes

- 1 Satisfactory to 72°F (22°C)
- 2 Satisfactory to 120°F (48°C)
- 3 Satisfactory to 90°F (32°C)
- 4 Satisfactory to 120°F (93°C)
- C = Moderate Effect
- D = Severe Effect; Not Recommended
- E = No damage after 30 days of constant exposure
- G = Little or no damage after 30 days of constant exposure
- F = Some effect after seven days of constant exposure; may see cracking, crazing, loss of strength
- N = Not recommended for continuous use
- = Not Available

| Reagent | HDPE | LDPE | PC | PP |
|---------------------------------|------|------|----|----|
| - Methyl | А | A1 | B1 | A2 |
| - Propyl | - | A2 | - | А |
| Allyl Chloride | А | - | - | А |
| Aluminum Acetate (satured) | - | - | - | А |
| Aluminum Chloride | А | B2 | A1 | А |
| Aluminum Chloride 20% | А | B2 | A1 | А |
| Aluminum Fluoride | А | A2 | - | А |
| Aluminum Hydroxide | А | A2 | B1 | А |
| Aluminum Nitrate | - | A2 | A1 | A2 |
| Aluminum Potassium Sulfate 10% | А | A2 | A1 | А |
| Aluminum Potassium Sulfate 100% | А | A2 | A2 | А |
| Aluminum Sulfate | А | A2 | А | А |
| Alums | - | А | - | А |
| Amines | В | C1 | - | B2 |
| Ammonia 10% | А | C1 | D | A2 |
| Ammonia Nitrate | - | А | - | А |
| Ammonia anhydrous | А | B2 | D | А |
| Ammonia liquid | А | C1 | D | A2 |
| Ammonia Acetate | А | А | - | А |
| Ammonia Bifluoride | - | A2 | - | А |
| Ammonium Carbonate | В | B2 | - | А |
| Ammonium Chloride | А | A2 | A2 | А |
| Ammonium Flouride 25% | А | - | - | A2 |
| Ammonium Hydroxide | А | A1 | D | А |
| Ammonium Glycolate | А | А | В | А |
| | | | | |

| Reagent | HDPE | LDPE | PC | PP |
|-----------------------------------|--------|----------|---------|----|
| Ammonium Nitrate | А | A1 | - | А |
| Ammonium Oxalate | а | - | A1 | А |
| Ammonium Persulfate | А | A2 | - | А |
| Ammonium Phosphate, Dibasic | - | A2 | A2 | А |
| Ammonium Phosphate, Monobasic | - | А | - | А |
| Ammonium Phosphate, Tribasic | - | С | - | А |
| Ammonium Sulfate | А | A1 | A2 | А |
| Ammonium Sulfite | В | B2 | - | А |
| Amyl Acetate | - | C1 | D | B1 |
| Amyl Alcohol | A | B2 | B1 | B1 |
| Amyl Chloride | В | D | - | D |
| Aniline | В | С | D | A1 |
| Aniline Hydrochloride | - | D | D | D |
| Antifreeze | - | - | - | D |
| Antimony Trichloride | В | B2 | A2 | A |
| Aqua Regia (80% HCL, 20% HNO3) | D | B1 | D | B1 |
| Arochlor 1248 | - | C1 | - | D |
| Aromatic Hydrocarbons | _ | C | - | D |
| Arsenic Acid | В | B2 | A1 | A |
| Arsenic Salts | _ | В | - | - |
| Barium Carbonate | _ | B2 | A2 | A |
| Barium Chloride | В | A1 | A | A |
| Barium Cyanide | _ | В | - | D |
| Barium Hydroxide | _ | B2 | D | В |
| Barium Nitrate | _ | B2 | D | A |
| Barium Sulfate | В | B2 | D | B1 |
| Barium Sulfide | A | B2 | - | В |
| Benzaldehyde | В | A1 | D | D |
| Benzenamine | В | A | D | A |
| Benzene | D | D | D | D |
| Benzene Sulfonic Acid | A | A1 | D | D |
| Benzoic Acid | A | A1 | B1 | B1 |
| Benzol | | | D | В |
| Benzyl Chloride | - | C1 - | | C1 |
| Bleach | - | - | - | D |
| Bleaching liquors | - | Λ1 | _ | |
| | - | A1 | - | A1 |
| Borax (Sodium Borate) Boric Acid | A A | A2 A2 | - | В |
| | D D | | - 01 | A |
| Bromine Bromofone | | D | C1 | D |
| Butadiene | D | D | D | D |
| | D | D 01 | D | C |
| Butane (Butul Alcohol) | - | C1 | D D1 | A1 |
| Butanol (Butyl Alcohol) | - | B2 | B1 | A1 |
| Butyl Amine | - | C1 | D | B1 |
| Butyl Ether | - A | - 01 | - | D |
| Butyl Phthalate | A | C1 | D | B2 |
| Butyl Acetate | В | C1 | D | B1 |
| Butyric Acid | D | D | D | B1 |

| Reagent | HDPE | LDPE | PC | PP |
|----------------------------------|------|------|----|----|
| Calcium Bisulfide | - | B1 | - | А |
| Calcium Bisulfite | А | A1 | D | А |
| Calcium Carbonate | - | В | C2 | А |
| Calcium Chloride (30% in water) | А | B2 | - | A2 |
| Calcium Chloride (saturated) | А | - | - | А |
| Calcium Hydroxide 10% | А | - | - | А |
| Calcium Hydroxide (saturated) | А | - | - | А |
| Calcium Hydroxide | А | A2 | D | A2 |
| Calcium Hypochlorite 30% | А | - | - | A |
| Calcium Hypochlorite (saturated) | А | - | - | A |
| Calcium Nitrate | В | A1 | A2 | A2 |
| Calcium Oxide | - | B1 | - | А |
| Calcium Sulfate | - | B1 | A2 | А |
| Calcium Sulfide | - | - | - | А |
| Carbolic Acid (Phenol) | - | D | D | В |
| Carbon Bisulfide | - | - | - | D |
| Carbon Dioxide (dry) | - | A1 | - | A2 |
| Carbon Dioxide (wet) | - | A1 | - | A2 |
| Carbon Disulfide | D | D | D | D |
| Carbon Monoxide | - | A2 | - | А |
| Carbon Tetrachloride | С | D | D | D |
| Carbon Tetrachloride (dry) | С | D | - | D |
| Carbon Tetrachloride (wet) | С | - | - | D |
| Carbonic Acid | В | B2 | A1 | А |
| Cellulose Acetate | - | - | - | А |
| Chloral Hydrate | D | - | - | D |
| Chlorine Water | С | B1 | - | D |
| Chlorine Anhydrous Liquid | С | D | С | D |
| Chlorine (dry) | В | D | - | D |
| Chloroacetic Acid | А | D | D | C1 |
| Chlorobenzene (Mono) | D | C1 | D | C1 |
| Chlorobromomethane | - | A | - | А |
| Chloroform | D | C1 | D | C1 |
| Chlorosulfonic Acid | D | D | C1 | D |
| Chromic Acid 5% | A | A | В | D |
| Chromic Acid 10% | А | А | В | D |
| Chromic Acid 30% | A | А | С | D |
| Chromic Acid 50% | А | А | D | D |
| Citric Acid | A | D | A1 | А |
| Citric Oils | В | - | - | А |
| Copper Chloride | - | - | - | А |
| Copper Cyanide | - | B2 | D | A |
| Copper Nitrate | - | B2 | D | А |
| Copper Sulfate 5% | А | A2 | A1 | А |
| Copper Sulfate >55 | А | A2 | A1 | А |
| Cresols | D | C1 | D | D |
| Cresylic Acid | - | B1 | D | A1 |
| Cupric Acid | - | B1 | A1 | A2 |

CHEMICAL RESISTANCE CHART CONTINUED

| HDPE | LDPE | PC | PP |
|--------|---|---|---|
| D | B1 | В | D |
| В | D | D | D |
| А | D | A1 | А |
| А | - | - | А |
| А | - | - | А |
| А | А | D | A1 |
| - | - | D | C1 |
| С | C1 | D | D |
| D | C1 | A2 | A1 |
| D | - | D | A1 |
| D | D | D | A1 |
| А | B2 | B1 | A2 |
| В | - | D | D |
| А | А | D | А |
| - | - | - | D |
| - | - | - | D |
| А | - | - | А |
| - | A2 | A1 | А |
| - | - | - | D |
| А | В | B2 | А |
| - | - | - | D |
| D | D | - | D |
| А | А | D | A1 |
| В | C2 | D | B1 |
| С | C1 | D | D |
| D | D | - | D |
| - | D | D | D |
| С | D | D | C1 |
| - | D | D | D |
| D | D | D | D |
| А | A2 | B1 | А |
| В | А | C1 | D |
| А | D | B1 | А |
| D | A1 | A2 | А |
| - | A2 | A1 | А |
| - | A2 | A1 | А |
| А | A2 | D | А |
| - | A2 | A1 | А |
| А | A2 | - | А |
| D | D | С | D |
| В | A2 | A1 | А |
| А | D | A1 | А |
| А | В | A2 | С |
| | | | |
| А | D | A1 | A1 |
| A A | D C | A1 - | A1 A |
| | | | |
| | D B A A A A A C D D D A B A A A - D A B C D C D A B C D A B C D A B A D A B A D A A A A A A A A A A A | D B1 B D A D A - A - A A C C1 D C A A C C1 D D A A B C2 C C1 D D A A2 B A A A2 B A A A2 A <td>D B1 B B D D A D A1 A - - A A D - - D C C1 D D D D D D D D D D A B2 B1 B - D A A D - - - A A D - - - A A D A A D B B2 - - - - A B B2 - - - A B B2 - - - D D - D D - D D D</td> | D B1 B B D D A D A1 A - - A A D - - D C C1 D D D D D D D D D D A B2 B1 B - D A A D - - - A A D - - - A A D A A D B B2 - - - - A B B2 - - - A B B2 - - - D D - D D - D D D |

| Reagent | HDPE | LDPE | PC | PP |
|----------------------------|------|------|----|----|
| Freon 113 | - | - | B1 | D |
| Freon TF | В | - | - | D |
| Fuel Oils | С | В | B1 | А |
| Furan Resin | - | D | - | D |
| Furfural | А | D | D | D |
| Gallic Acid | А | А | - | А |
| Gasoline (high-aromatic) | В | А | А | А |
| Gasoline , leaded, ref. | В | - | A2 | В |
| Gasoline, unleaded | В | - | A2 | C1 |
| Gelatin | А | A2 | - | А |
| Glucose | А | A2 | A1 | А |
| Glycerin | А | A1 | A2 | А |
| Glycolic Acid | - | A2 | - | А |
| Heptane | В | B1 | В | C2 |
| Hexane | С | D | D | B1 |
| Hydraulic Oil (Petro) | А | С | - | D |
| Hydraulic Oil (Synthetic) | А | А | - | D |
| Hydrazine | D | - | D | С |
| Hydrobromic Acid 20% | D | B2 | - | A2 |
| Hydrobromic Acid 100% | D | B1 | - | C1 |
| Hydrochloric Acid 20% | А | A2 | B1 | B2 |
| Hydrochloric Acid 37% | А | B2 | D | С |
| Hydrochloric Acid 100% | D | - | D | B1 |
| Hydrochloric Acid, Dry Gas | D | A2 | - | В |
| Hydrocyanic Acid | А | A2 | - | А |
| Hydrocyanic Acid (Gas 10%) | А | - | B1 | А |
| Hydrofluoric Acid 20% | А | A2 | D | A2 |
| Hydrofluoric Acid 50% | А | A1 | D | A2 |
| Hydrofluoric Acid 75% | В | C1 | D | C1 |
| Hydrofluoric Acid 100% | D | - | D | C1 |
| Hydrofluosilicic Acid 20% | В | B2 | - | А |
| Hydrofluosilicic Acid 100% | С | B1 | - | А |
| Hydrogen Gas | А | A2 | A2 | А |
| Hydrogen Peroxide 10% | А | А | A2 | А |
| Hydrogen Peroxide 30% | А | C2 | A2 | B1 |
| Hydrogen Peroxide 50% | А | C2 | A2 | B1 |
| Hydrogen Peroxide 100% | А | C2 | А | B1 |
| Hydrogen Sulfide (aqua) | А | А | А | A1 |
| Hydrogen Sulfide (dry) | А | А | - | A1 |
| Hydroquinone | - | А | - | А |
| lodine | В | A1 | - | С |
| Isooctane | В | В | B1 | A2 |
| Isopropyl Acetate | В | B1 | D | B1 |
| Isopropyl Ether | D | В | D | В |
| Isotane | - | - | - | D |
| Kerosene | В | C1 | D | В |
| Ketones | D | C1 | D | С |

| Reagent | HDPE | LDPE | PC | PP |
|--------------------------------------|--------|--------|----------|----|
| Laquer Thinners | D | А | В | D |
| Laquers | D | A | D | D |
| Lactic Acid | A | A1 | В | В |
| Latex | - | - | - | A2 |
| Lead Acetate | A | A2 | - | A1 |
| Lead Nitrate | A | A2 | - | A2 |
| Lead Sulfamate | - | A1 | A1 | A2 |
| Linoleic Acid | _ | A | _ | B1 |
| Lithium Chloride | D | A2 | B1 | A2 |
| Lye: KOH Potassium Hydroxide | В | A | D | A |
| Lye: NaOH Sodium Hydroxide | В | D | D | A |
| Lye: Ca(OH)2 Calcium Hydroxide | В | A2 | D | A2 |
| Magnesium Bisulfate | _ | - | A1 | A2 |
| Magnesium Carbonate | _ | В | A1 | A |
| Magnesium Chloride | A | A1 | A2 | A2 |
| Magnesium Hydroxide | В | A2 | A2 A1 | A |
| Magnesium Nitrate | В | A2 | A1 | A |
| Magnesium Sulfate (Epson Salts) | A | A2 | A1 | A |
| Maleic Acid | A | B2 | - 41 | A |
| | A | D D | | D |
| Maleic Anhydride Malic Acid | A | B2 | | A1 |
| | - | | | |
| Melamine Merauria Chlorida (diluta) | - A | - A | - A | A |
| Mercuric Chloride (dilute) | A | A | A | В |
| Mercuric Cyanide | - | A | - | В |
| Mercurous Nitrate | - | A | A2 | A |
| Mercury | A | A | D | В |
| Methane | - | - | - | A |
| Methanol (Methyl Alcohol) | A | A1 | B1 | A2 |
| Methyl Acetate | С | B1 | D | D |
| Methyl Acrylate | - | - | - | D |
| Methyl Alcohol 10% | A | A1 | B1 | A2 |
| Methyl Bromide | - | C1 | - | С |
| Methyl Butyl Ketone | - | - | D | D |
| Methyl Cellusolve | - | - | D | В |
| Methyl Chloride | - | C1 | D | D |
| Methyl Dichloride | - | - | - | D |
| Methyl Ethyl Ketone | D | D | D | B2 |
| Methyl Isobutyl Ketone | D | С | D | А |
| Methyl Methacrylate | - | - | - | D |
| Methylamine | - | A1 | - | A2 |
| Methylene Chloride | D | D | D | B1 |
| Mineral Spirits | D | В | С | В |
| Monoethanolamine | - | С | - | В |
| Morpholine | - | - | D | B2 |
| Naphtha | - | A1 | В | В |
| Naphthalene | В | С | - | В |
| Natural Gas | - | А | - | А |

| Reagent | HDPE | LDPE | PC | PP |
|------------------------------|------|------|----|----|
| Nickel Chloride | В | А | A2 | А |
| Nickel Nitrate | В | А | D | A2 |
| Nickel Sulfate | В | А | А | А |
| Nitrating Acid (<1%) | - | - | - | С |
| Nitrating Acid (<15% H2SO4) | - | - | - | С |
| Nitrating Acid (>15% H2SO4) | - | - | - | С |
| Nitrating Acid (<15% HNO3) | - | - | - | С |
| Nitric Acid (5-10%) | А | В | А | А |
| Nitric Acid (20%) | В | С | B1 | A2 |
| Nitric Acid (50%) | D | B1 | В | В |
| Nitric Acid (Concentrated) | D | C1 | C1 | D |
| Nitrobenzene | D | C1 | D | B1 |
| Nitromethane | D | А | D | B2 |
| Nitrous Acid | - | - | - | А |
| Nitrous Oxide | - | С | - | D |
| Oleic Acid | С | C2 | - | B1 |
| Oleum 25% | - | D | - | D |
| Oleum 100% | - | D | - | D |
| Oxalic Acid (cold) | A | A2 | - | A2 |
| Ozone | А | C1 | A1 | В |
| Palmitic Acid | - | - | - | B1 |
| Parafin | В | В | A1 | A1 |
| Pentane | - | D | А | D |
| Perchloric Acid | D | В | - | С |
| Perchloroethylene Acid | D | D | D | D |
| Petrolatum | - | В | - | D |
| Petroleum | D | C1 | - | B1 |
| Phenol (10%) | D | В | B1 | B1 |
| Phenol (Carbolic Acid) | D | D | D | В |
| Phosphoric Acid (<40%) | А | А | А | A2 |
| Phosphoric Acid (>40%) | A | B1 | А | A2 |
| Phosphoric Acid (crude) | В | B1 | А | B2 |
| Phosphoric Acid (molten) | D | - | - | D |
| Phosphoric Acid Anhydride | А | - | D | А |
| Phosphorus | - | В | - | А |
| Photographic Developer | - | А | A2 | А |
| Photographic Solutions | А | А | A1 | A2 |
| Phthalic Acid | В | B2 | - | А |
| Phthalic Anhydride | - | - | A1 | D |
| Picric Acid | D | А | D | B1 |
| Potash (Potassium Carbonate) | В | A1 | - | А |
| Potassium Bicarbonate | В | А | - | А |
| Potassium Bromide | В | А | A1 | А |
| Potassium Chlorate | В | A1 | A1 | А |
| Potassium Chloride | А | A1 | А | А |
| Potassium Chromate | - | А | - | А |
| Potassium Cyanide Solutions | - | А | - | А |

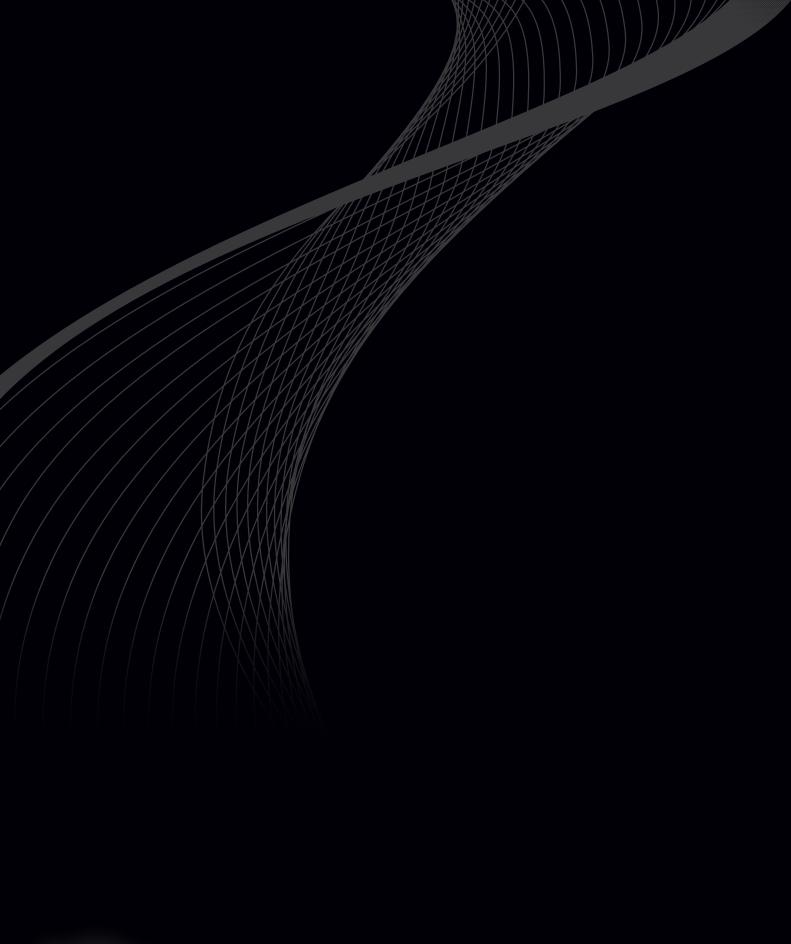
CHEMICAL RESISTANCE CHART CONTINUED

| Reagent | HDPE | LDPE | PC | PP |
|--------------------------------------|------|------|----|----|
| Potassium Dichromate | В | А | A1 | А |
| Potassium Ferricyanide | - | A2 | - | A2 |
| Potassium Ferrocyanide | - | A1 | - | А |
| Potassium Hydroxide (Caustic Potato) | А | А | D | А |
| Potassium lodite | В | B1 | - | A2 |
| Potassium Nitrate | В | А | A1 | А |
| Potassium Permanganate | А | А | A2 | A1 |
| Potassium Sulfate | В | A2 | A1 | А |
| Potassium Sulfide | - | A2 | - | А |
| Propane (liquefied) | D | C1 | C1 | А |
| Propylene Glycol | А | B2 | B1 | A2 |
| Pyridine | D | B1 | D | A2 |
| Pyrogallic Acid | - | - | - | A |
| Salicylic Acid | - | B2 | A1 | A1 |
| Silicone | - | - | A2 | A |
| Silver Nitrate | A | А | A2 | A1 |
| Soap Solutions | В | D | A1 | A |
| Soda Ash (see Sodium Carbonate) | А | В | А | А |
| Sodium Acetate | А | А | A1 | А |
| Sodium Aluminate | - | - | - | - |
| Sodium Benzoate | В | A2 | A2 | A2 |
| Sodium Bicarbonate | А | A2 | A2 | А |
| Sodium Bisulfate | В | A2 | A1 | А |
| Sodium Borate (Borax) | В | A2 | A1 | A2 |
| Sodium Carbonate | А | B2 | A2 | А |
| Sodium Chlorate | - | B2 | A1 | А |
| Sodium Chloride | А | A2 | A2 | А |
| Sodium Cyanide | В | A2 | - | А |
| Sodium Ferrocyanide | - | А | - | А |
| Sodium Fluoride | - | A2 | - | А |
| Sodium Hydroxide (20%) | С | В | A2 | А |
| Sodium Hydroxide (50%) | С | В | D | А |
| Sodium Hydroxide (80%) | С | - | D | А |
| Sodium Hypochlorite (100%) | С | B2 | - | В |
| Sodium Hypochlorite (<20%) | А | А | С | А |
| Sodium Metaphosphate | В | A1 | - | A1 |
| Sodium Metasilicate | - | - | - | А |
| Sodium Nitrate | В | A2 | - | А |
| Sodium Perborate | - | A1 | - | А |
| Sodium Peroxyde | В | А | A2 | В |
| Sodium Polyphosphate | В | А | - | А |
| Sodium Silicate | А | A2 | - | А |
| Sodium Sulfate | - | A2 | A2 | А |

| Reagent | HDPE | LDPE | PC | PP |
|-----------------------------------|------|------|----|----|
| Sodium Sulfide | В | A2 | D | А |
| Sodium Sulfite | В | B1 | - | A2 |
| Sodium Thiosulfate | - | A1 | D | A2 |
| Stannic Chloride | - | A2 | A1 | А |
| Stannous Chloride | - | B2 | - | А |
| Stearic Acid | А | B1 | A1 | A2 |
| Stoddard Solvent | - | C2 | A2 | С |
| Sulfate (Liquors) | А | A2 | - | А |
| Sulfur Chloride | - | C1 | - | C1 |
| Sulfur Dioxide | D | B1 | - | A1 |
| Sulfur Dioxide (dry) | А | A1 | A1 | A1 |
| Sulfur Hexafluoride | - | В | - | - |
| Sulfur Trioxide | - | - | - | С |
| Sulfur Trioxide (dry) | - | C1 | - | D |
| Sulfuric Acid (<10%) | А | A1 | A1 | A2 |
| Sulfuric Acid (10 - 75%) | А | A1 | B1 | A1 |
| Sulfuric Acid (75 - 100%) | В | С | D | C1 |
| Sulfuric Acid (cold concentrated) | В | D | - | A2 |
| Sulfuric Acid (hot concentrated) | В | D | D | D |
| Sulfurous Acid | В | B2 | - | А |
| Tannic Acid | А | B2 | С | А |
| Tartaric Acid | А | A1 | - | А |
| Tetrachloroethane | - | - | - | С |
| Tetrachloroethylene | С | В | D | D |
| Tetrahydrofuran | С | C1 | D | C2 |
| Tin Salts | - | - | - | А |
| Toluene | D | C1 | D | C1 |
| Trichloroacetic Acid | С | А | D | А |
| Trichlorethane | D | - | D | С |
| Trichloroethylene | D | D | - | C1 |
| Tricresylphophate | - | B1 | - | A1 |
| Triethlamine | - | - | - | D |
| Trisodium Phosphate | А | А | - | А |
| Turpentine | В | D | D | D |
| Urea | А | А | D | А |
| Urine | А | A2 | - | А |
| Vinegar | А | А | A2 | А |
| Vinyl Acetate | D | А | - | B1 |
| Water, Deionized | А | - | - | A2 |
| Water, Distilled | А | A2 | A2 | А |
| Water, Salt | А | A2 | A2 | А |
| Xylene | D | В | D | В |
| Zinc Chloride | А | A1 | A2 | А |
| Zinc Sulfate | А | A2 | A2 | А |

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