



[www.starplexscientific.com](http://www.starplexscientific.com)

[www.medioplast.ca](http://www.medioplast.ca)

1-800-665-0954

Manufacturers of leakproof sample  
collectors and premium quality  
pharmaceutical/nutriceutical bottles



# Product Guide



30+

Starplex and Mediplast have been providing the medical community with superior products for over 30 years



### Our Vision

Starplex Scientific Inc. is dedicated to the development of innovative, premium quality disposables; providing reliable specimen transportation for many facets of the health care industry. Focused on and responsive to the needs of the customer, Starplex strives to anticipate the evolving market requirements and work co-operatively with customers to implement unique, effective solutions.

### Our History

Our origins date back to the 1970's. In 30-plus years we have become a trusted supplier of sample collection and transportation products for both the clinical and industrial markets for the Starplex branded products and the pharmaceutical and nutraceutical markets for the Mediplast branded products. Our sales and distribution coverage includes every Province and State in North America. We are privileged to supply literally thousands of hospitals, laboratories and health care facilities with Starplex products:

**Leakbuster™ and Leakbuster™ 3** *Specimen collection and transport*  
**Starswabs II®** *Bacteriology collection and transport systems*  
**Multitrans** *Transport media for Viruses, Chlamydia, Mycoplasma and Ureaplasma*  
**Histoplex™** *Storage and transport for cytology specimens*  
**Sanicult** *Environmental sample collection and transport*  
**Dip 'N Count®** *Media dip paddles for clinical and industrial screening*  
**VersaTube™** *Digestion tube for processing and analysis*

The Mediplast Division of Starplex Scientific specializes in premium quality bottles for the pharmaceutical and nutraceutical markets. Mediplast has demonstrated over 20 years of expertise in extrusion, injection and injection blow molding. Quality, flexibility and dedication to our customers are what sets us apart from our competition. Our standard product range features the following components:

- **Pharmaceutical Rounds**
- **Boston Rounds**
- **Starline Rounds**
- **Oblong**
- **Square**
- **Cylinder**
- **Miscellaneous**



Starplex strongly believes that manufacturing needs to remain in the North American market



*Located in Canada and geared to supply our Canadian customers!*

## Starplex Scientific Inc.

Starplex Scientific Inc. has been located in the Etobicoke facility for over 20 years. During this time we have expanded and upgraded the manufacturing and warehouse areas. This 135,000 square foot multi-functional building houses molding, media production and assembly. Starplex conforms to FDA Quality System Regulations and is ISO 13485 : 2003 Registered for the manufacturing of sterile in vitro diagnostic products.

### Manufacturing

*Skilled in injection, injection blow and extrusion molding. Custom manufacturing projects are welcome.*

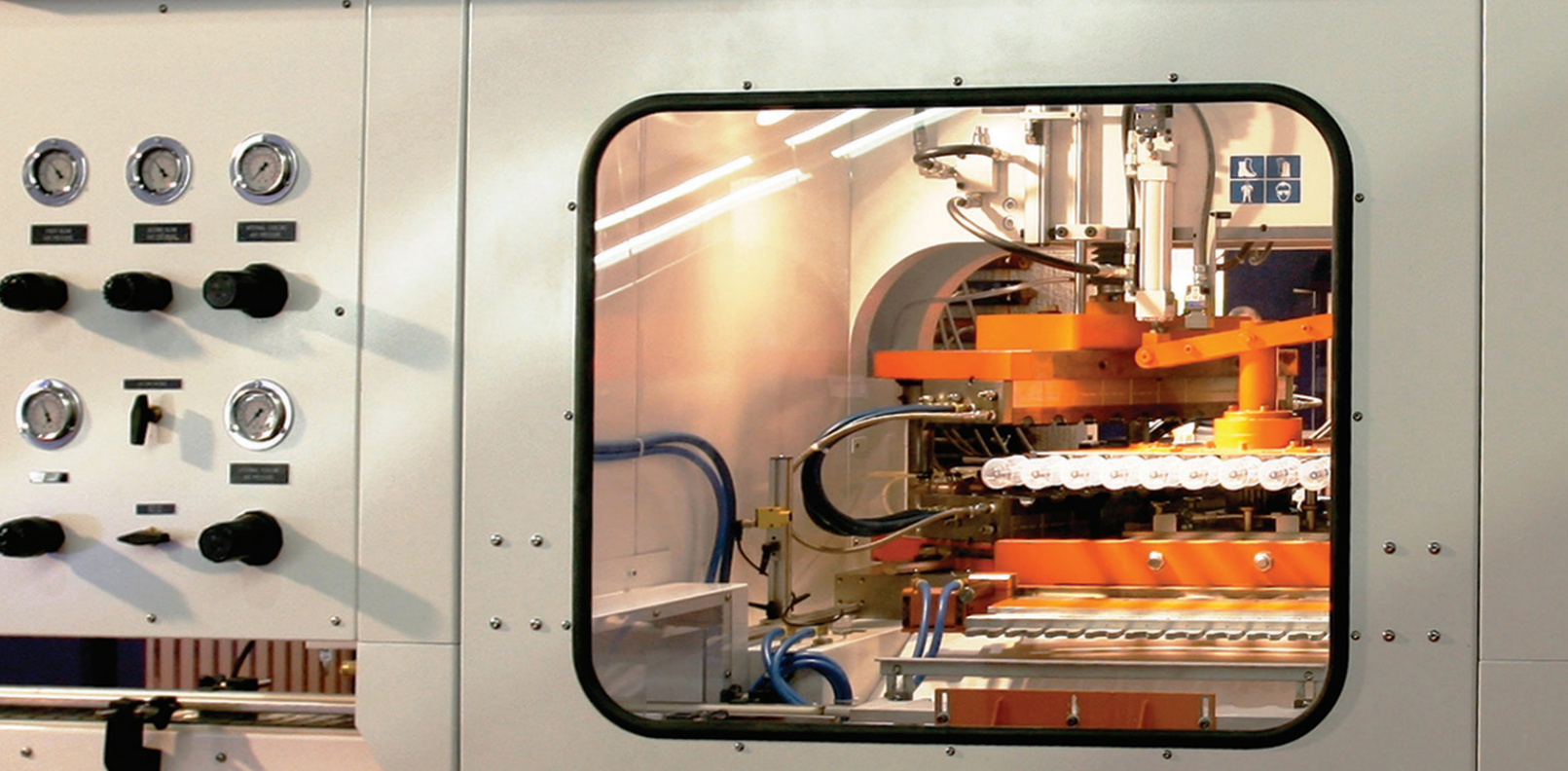
### Production

*Full production and assembly facilities for media manufacturing, pouring, and packaging.*

### Warehouse

*State-of-the-art warehouse facility with full traceability.*





## Starplex Scientific Corp.

Starplex Scientific Corp. began manufacturing in Cleveland, Tennessee in the spring of 2008. This state-of-the-art 72,000 square foot manufacturing facility features fully automated molding, packaging and warehousing capabilities. Centrally located at the intersection of I75 and I90, we can literally supply our whole distribution network within one day of transport. Our location allows us the flexibility to expand the facility as growth requires. A railroad spur is conveniently located in our own backyard.

### Why did we choose to manufacture in the U.S.A.?

Starplex strongly believes that manufacturing needs to remain in the North American market. We feel that through increased automation, efficiency and dedicated teamwork we can be very competitive as a North American manufacturer. We believe in participating in the economy and serving our customers from within. Complete customer satisfaction is our goal and we need to be in control of all elements of manufacturing and delivery time. This plant specializes in molding processes such as injection, injection blow and extrusion. Automation and quality are the focal points of manufacturing.



*Located in the  
U.S.A. and geared  
to supply our  
American customers!*



## Quality Assurance

At Starplex Scientific, we strive to differentiate ourselves by our commitment to quality and customer service

It is our goal to provide consistency and reliability and to that end we maintain the following quality standards:

- *ISO 13485*
- *HACCP*
- *IMS*
- *Drug Masterfile Number*

To ensure that we maintain our high level of quality, we have the following quality monitoring systems in place in our facilities:

- *Leak testing*
- *Vision systems*
- *Metal detectors (as per HACCP)*
- *Measuring systems*



# Specimen Containers



## Leakbuster™ 3

### *Tri-sensory alignment technology*

Our newest specimen container, featuring a tamper evident cap that ensures proper cap application by providing visual alignment points, audible closure confirmation and distinct tactile closure confirmation. Each container is lot numbered and has clear graduations. The textured, flat cap provides additional writing surface in a stackable format. Leakbuster™3 is also available in a clear plastic O.R. wrap format and a Midstream Kit format with a castile wipe enclosed in a clear plastic peel pack.



## Leakbuster™

### *Molded "o-ring" cap*

This premium quality line of containers consists of 60ml, 90ml, wide 90ml and 120ml sizes for leakproof transportation. Each polypropylene container is lot numbered and has clear graduations. The wide 90ml and 120ml containers feature a QuickTurn™ cap closure for easy application. Sterile containers have an orange cap and tamper tab patient label. The patient identification labels meet current JCAHO standards. Non-sterile containers have a yellow cap and a non-tabbed patient label. The standard 90ml container is also available in an opaque polypropylene for discrete transport. A space saver dispenser box of 20, 90 ml containers is convenient for laboratories and Doctor's offices.

Ideal for Operating Room use, both the 90ml and 120ml containers are packaged in a sterile, clear plastic peel pouch. Also available with a white, blue or yellow cap.



# Rely on innovative Starplex products for leakproof transport, safe collection and storage of urine and other liquid specimens

## Midstream Collection

### *For clean catch urine collection*

For Midstream Collection, the sterile 120ml container is conveniently packaged in a clear plastic peel pouch with a castile wipe. Also available is a sterile narrow 90ml container with funnel attached and packaged with a cap, separate patient label, and castile wipe in a Ziplock transport bag.



## Magenta Lined Cap

### *The original favourite*

The original magenta, flat, lined cap is available with either a 60ml or 90ml sterile polypropylene container. The standard 90ml container is also available in an opaque polypropylene for discrete transport. The non-stick silicone layer cap liner provides additional assurance against content leakage.



## 120ml (4oz) Water Testing Container

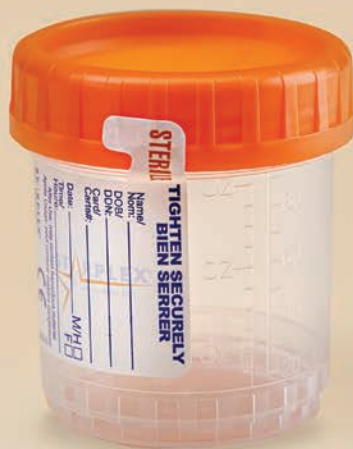
### *For dehalogenating water specimens prior to bacterial or organics testing*

120ml (4oz) polypropylene container with white "o-ring" cap, labeled and sterile with 10mg Sodium Thiosulfate tablet. Perfect for analytical water sampling techniques requiring a controlled amount of Sodium Thiosulfate as a dechlorinating agent. By neutralizing free halogens, the tablet prevents destruction of bacteria or organic material prior to analysis. Use for potable water, waste water, recreational waters and surface or irrigation water supplies.





*Sterile*



*Non-sterile*



# Specimen Containers

## StarCLICK100™

*When leakproof transport is essential  
100 ml capacity, available in sterile and non-sterile formats*

The solid, straight wall design of the container paired with the durable cap creates the optimal fit for preventing costly spills and biohazardous contamination. Correct cap closure is encouraged by listening for the double click confirmation during cap application. This container is ideal for pneumatic tube systems and can be a suitable replacement for metal capped containers in certain applications.

- *Clear graduations on two sides in ounces and millilitres*
- *Wide mouth design*
- *Food grade, virgin polypropylene container and virgin polyethylene caps*
- *Stackable*
- *Tamper evident patient label*



The ultimate solution for  
leakproof transport







## Leakbuster™ with Temperature Strip

*Wide and narrow 90ml containers*

*With patient identification label and temperature strip*

Our standard, premium quality container featuring an orange o-ring cap, sterile tamper-evident patient identification label, which meets JCAHO requirements and a temperature strip. The temperature strip measures a range from 90F-100F/32C-38C in a clear, easy to read format. Each container is date stamped for full traceability and meets DOT and IATA standards.

## Ideal for Drug of Abuse Collection

Starplex specializes in custom labels and containers made to fit your specific needs



## Media

The media tube is designed with a spiral groove, round bottom media chamber which keeps the sample immersed and protected in the media while allowing easy racking. The color coded caps are easily identified and feature a protective biohazard overskirt. Each tube has a patient identification label and product code, lot number and expiry date.

A full range of media formulations include: Modified Liquid Stuart's, Modified Amies Clear, Modified Amies Charcoal, Modified Liquid Amies and the Starplex patented Amies Plus (light charcoal) Gel.

### *Modified Liquid Stuart's and Modified Liquid Amies*

Provides excellent recovery in routine bacteriology and is compatible with gram stain and many rapid screening methods. Shelf life is 18 months.

### *Modified Amies Clear Gel*

Provides excellent survival for a wide range of bacteria and is compatible with gram stain. Shelf life is 24 months.

### *Modified Amies Charcoal Gel*

Further enhances the survival of fastidious organisms including *Neisseria gonorrhoeae* by neutralizing any fatty acids that may be present in the specimen.

Amies Clear, Amies Charcoal and Amies Plus provide an ideal environment for the survival of anaerobic organisms. Shelf life is 24 months.



# Reliable collection and transport of samples ensures accurate patient test results

## Swabs

The media can be paired with a variety of swab tips and shafts. Studies available upon request.

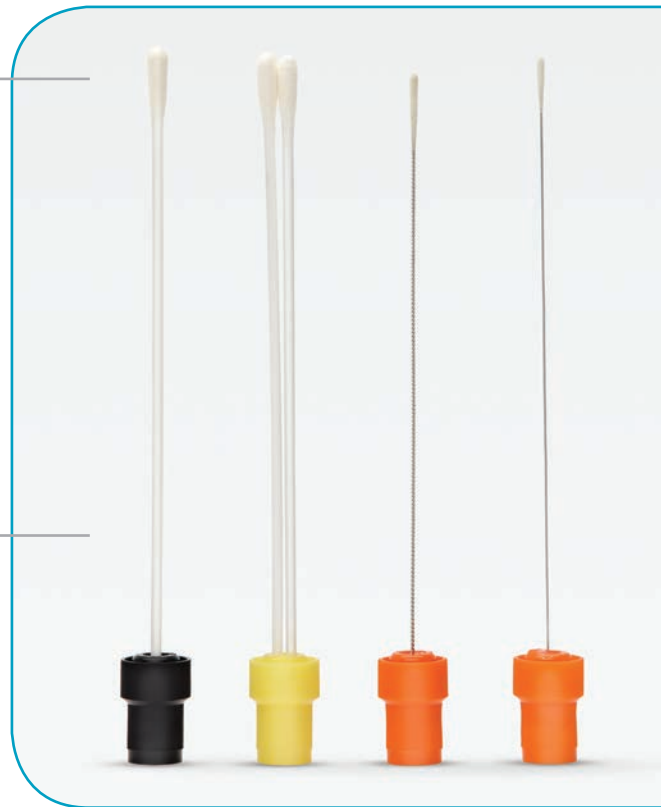
- *Single swab, plastic shaft with rayon tip*
- *Double swab, plastic shaft with rayon tip*
- *Straight Wire shaft with rayon tip*
- *Flexible Wire shaft with rayon tip*

## Packaging

Sterile peel pouch single or double packed swabs.

- Premium thickness bag creates a barrier environment to prevent premature medium dehydration
- Bag also features a Ziplock closure which promotes resealing the bag to maintain swabs at peak performance
- Metalized bag protects media from harmful UV rays

See insert at back of guide for product codes and detailed packaging information.



Also available are single and double rayon tipped swabs, without media, in the spiral, round bottom tube with a white plug cap. Sterile with patient identification label. Used in forensic collections.





## Multitrans – Multipurpose Rapid Antigen testing device

*Including DFA, culture and molecular-based assays for Viruses, Chlamydia, Mycoplasma and Ureaplasma*

The Multitrans medium and glass beads are held within a durable, polypropylene vial and capped with a skirted, swab retaining cap. The polyester tipped swab is scored so that it is easily snapped off into the vial; after capping and reopening, the swab is neatly inserted into the cap for easy, contamination free handling. The media vial and sterile wrapped swab are packaged in a sterile plastic peel pack.

*The media tube is available with:*

- Standard polyester swab
- Standard flocked swab
- Nasopharyngeal flocked swab
- Combination Pack with both a standard and male swab

Flocked Swabs ensure superior specimen collection and release which provides a more representative specimen sample for testing. The flocked swab has nylon fibers, attached through an electrostatic process which promotes the hydrophilic nature.

Multitrans can be stored at room temperature for up to one year prior to use.

# Flocked swab technology optimizes patient comfort, specimen collection and provides a more representative sample for testing

Starswab®

## Sanicult – Hygiene Monitoring Swabs

*For hard to reach places, viscous liquids, semi-solids and powders*

A sterile buffered solution or a deionized water solution for sampling environmental surfaces. Can be used for qualitative and quantitative procedures. A Peptone Broth is used for pre-enrichment of *Salmonella* from food.

## SP132-FL

*Compatible with rapid testing*

Liquid Stuart's media in the durable 10ml vial and swab retaining cap packaged with a standard flocked swab is ideal for various rapid testing methodology and with liquid sampling instrumentation.

## Anerobic Transport System

*Especially for fastidious anaerobes*

The Anerobic Transport System is a self-contained, sterile, ready to use system which includes a glass tube containing a semi-solid, pre-reduced transport medium. It is intended for maintaining the viability of a wide variety of microorganisms during transportation for up to 48 hours.

The System has an indicator that will turn lavender if the anaerobic condition is compromised. Furthermore, letting oxygen into the tube can be avoided by injecting fluids through the rubber septum of the screw cap with a needle and syringe. Both a 7ml and 5ml media fill are available. Two scored swabs packaged with each tube. 18 month shelf life.

See insert at back of guide for product codes and detailed packaging information.





## 5ml & 10ml Vials

### *Leak-proof, free standing, convenient storage*

Leak resistant, graduated 5ml and 10ml vials are available in clarified polypropylene for easy visual inspection or amber for light sensitive testing. Flat, white, screw caps provided separately in the case are ideal for transport.

The 10ml white capped vial is also available in a sterile peel pouch.



## False Bottom Vials

### *Threaded or non-threaded*

Leak resistant polypropylene False Bottom Vials are available with a threaded or non-threaded neck finish in clarified polypropylene or amber. Two different centre conical finishes are available to be compatible with various automation or analyzer options. For the threadless vial, a polyethylene Plug Style Cap is ideal as a temporary closure or for storage. The white, flat, screw cap is ideal for transport or long term storage.





A comprehensive range of premium quality, durable polypropylene vials that coordinate with capping options for either storage or transport

## Urine Culture / Urinalysis Preservative Vial

### *With 75mg Boric Acid Tablet*

Suitable for the transport of specimens for either Urinalysis or Urine Culture, this sterile, 10ml Conical Vial utilizes a Boric Acid tablet to maintain the specimen for up to 72 hours. The vial is capped with a flat, blue cap which provides leak resistant transport. The vial has a patient identification label with fill line volume requirements. Studies available upon request.

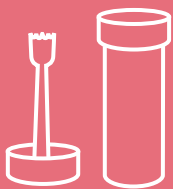


## Round Bottom Tubes

### *Smooth, durable design*

Threadless polypropylene round bottom tubes fit easily into racking or automated systems. Available in clear or amber for light sensitive specimens. Can be used with our plug caps for temporary closure.





# Collectors

## 30ml Fecal Collector

### *Integrated fecal spork cap*

Features a combination spoon and fork device to allow easy collection of any form of fecal matter. The vial has easy to read graduations which assist in the collection of the proper sample size.

## 30ml Pinworm Collector

### *Integrated Pinworm Collector Cap*

For the collection and transport of pinworm ova. This 30ml vial features a clear polystyrene paddle with light adhesive on one side, allowing the pinworm and ova to be viewed under the microscope.

## 30ml Universal Collector

### *Multi-purpose, graduated, sterile*

This versatile, freestanding, skirted conical bottom vial can be used for multiple purposes including fecal, urine and sputum collection.

## 30ml Slide Holder

### *Durable, leak-resistant, ideal for transport*

Ideal for transporting up to four standard size slides with or without fixative. Slides do not touch and remain protected from breakage within each groove. Punch out hole in the bottom of the vial allows venting for dry transport. This unlabeled product is suitable for use as a mailer.

### *Caps*

- Molded "o-ring" design to provide a secure seal
- Ridges in the cap provide an easy grip
- Integrated paddle or spork design protects against possible contamination

### *Vials*

- Straight sided, durable polypropylene resists cracking
- Clear, easy to read graduations
- Free standing skirted conical bottom

\*Caps and vials also available separately.



## 1500ml Fecal Collector

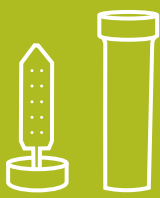
### *Fecal collection made easy*

The cleanest, all-in-one solution on the market for fecal collection and transport. Device includes a spoon and spork integrated into wings, for easy transfer of fecal specimens.

- *Tough, durable, plastic container*
- *Clean and tidy for patient use with lid to help avoid potential spills*
- *Format is ideal when collecting larger samples and conducting long term studies*
- *Fits most toilet models*
- *Product design reduces the risk of specimen contact*
- *Increases specimen return rate to the Doctor, aiding in diagnosis*
- *Sample integrity aided by interior bottom groves which keep fecal samples separate from any liquids*







# Dip 'N Count®

## Clinical Dip 'N Count®

The Dip 'N Count® semi-quantitative urine screening test features a double sided media paddle offering a combination of either MacConkey and C.L.E.D or C.L.E.D and E.M.B. The paddle is conveniently attached to the cap of a clear, polystyrene 30ml vial.

The screening procedure is very easy; simply dip the paddle in the urine specimen; allow excess urine to drain off the paddle; return the paddle to the vial and close tightly. After incubation, the color changes and growth results are easily read through the vial.

The process of screening out negative results is very cost effective because only urine specimens displaying a positive growth result need to be sent for further quantitative testing.

### *MacConkey Agar with Crystal Violet*

A selective and differential medium which supports growth of gram negative bacteria and inhibits that of most gram positive bacteria. Identifies lactose fermenters from non-lactose fermenters.

### *Eosin Methylene Blue – Levine (E.M.B.-Levine)*

A selective and differential medium for gram negative lactose fermenting enteric bacilli. It also give excellent differentiation of *Escherichia coli* from *Enterobacter aerogenes*.

### *Cystine Lactose Electrolyte Deficient (C.L.E.D.) Agar*

The medium was first described by MacKey and Sandys specifically for use in dip inoculum procedures for urinary bacteriology. The electrolyte deficient nature of the medium prevents the characteristic swarming of *Proteus*. Inclusion of lactose allows differentiation of lactose fermenting bacteria by changing the color of the medium from pale green to yellow.



Urine screening test featuring a double-sided media paddle is easy to use, with colour change and growth results easily read through the vial

## Industrial Dip 'N Count®

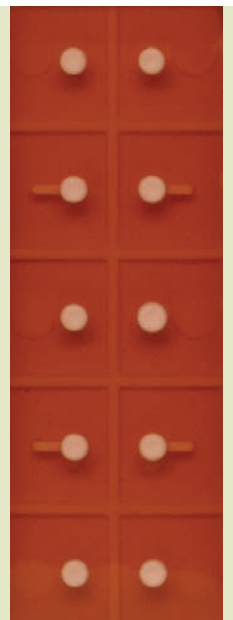
### *Thick fill, dual sided media paddle*

A Dip 'N Count® paddle consisting of Malt Extract Agar and Tryptone Glucose Extract Agar with 1% T.T.C. solution is available. This paddle works well for food processing and industrial hygiene monitoring. It provides information on the total bacterial count and yeasts/mold in one convenient unit.

**Note:** Please see package insert for specific instructions for use and quality control information. A color chart for organism identification is available upon request.

### *Product Features*

- Thick media beds anchored by nail heads to the paddle
- Eliminates the work of inoculating media agar plates which saves time and money
- No waiting time between collection of samples and media inoculation
- Media will not dehydrate prior to expiry date
- Tested to meet CLSI standards
- Quality control certificate with each lot
- Can be stored at room temperature (4°C – 25°C) (40°F – 77°F)





# Histoplex™



Histoplex™ containers are carefully engineered for the storage and light transport of histology specimens. The secure seal of the 5ml – 1 litre containers reduces most formalin leakage and evaporation. All empty containers are supplied with 10% neutral buffered formalin warning labels.

## O-ring containers 5ml – 120ml

<i>Molded "o-ring" cap design</i>	Increased contact between the vial and the groove to create better seal and leak resistance
<i>Polypropylene vial/ polyethylene cap</i>	Does not breathe; reduces formalin fumes
<i>Reinforced top and bottom</i>	Ridges for easy grasp; can't squeeze to cause leakage
<i>Graduated container</i>	Easy to perform quick view measurements
<i>Straight sided</i>	Solid, stable, not compressible, stackable



## 250ml – 1 litre

<i>Unique screw cap design</i>	Prevents aerosols during cap removal
<i>Ribbed cap and vial</i>	Easy to grasp
<i>Semi clear, graduated vial</i>	Easy to view contents and measure
<i>Nested in shipping cases</i>	Saves storage space

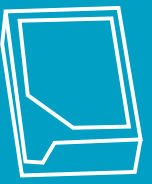


## 2, 5, 8 and 20 litre buckets

<i>Tamper evident snap on lid</i>	Lid will not pop off
<i>Polyethylene/Polypropylene</i>	Prevents formalin fumes
<i>Sturdy construction</i>	Strong handle for transport; withstands transport
<i>Nested in shipping case</i>	Saves storage space







## Tissue Cassettes

Dual purpose cassettes for all types of tissue fragments and needle biopsies. Effective for the embedding, processing and storage of both standard tissue specimens and tissue fragments.

- Durable acetyl polymer resists the chemical action of histological agents
- Flow thru slots maximize fluid exchange
- Fine micromesh chamber, .23mm, ideal for tissue fragments and larger specimens
- Textured, 45 angled writing surface, suitable for labeling devices
- Clam-shell design can be snapped closed repeatedly and reopens with ease
- Non-cytotoxic, range of 13 non-metallic colours for identification

## Plastic Utility Trays with Lids

Collect, transport, store almost anything... stackable and lab washer safe.

### 4.86L

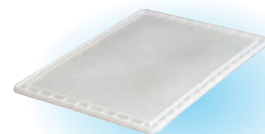
Features a lid with tamper evident band

Tray and lid made with Polypropylene



### Lid

Fits 6L, 9.88L and 12L trays



### 6 L Tray

Made with Polypropylene



### 9.88 L Tray

Made with HDPE



### 12 L Tray

Made with HDPE & PP





# An innovative solution for metals digestion



A unique, patented tube with attached cap — simplifying digestion analysis and saving you money! This versatile, disposable tube can also be used for other sample collection, storage and experimental purposes.

## *Innovative, patented design*

- Unique, integrated cap and vial
- Ability to vent samples with the hinged cap; no watch glass required
- Certified accuracy of graduations (Class A) and trace metal levels
- Certificate of Analysis in each case
- Heat resistant polypropylene homopolymer
- Etched cap surface for writing
- Compatible with most digestion blocks
- Cap closed when received; no contamination concerns

# The hinged cap, allows proper venting in an integrated design

## Digestion Tube

*For a full collection, transport and processing solution, try our LB3 product.*

- Collect your sample with our tamper evident Leakbuster™ 3 sterile container
- And then process your sample with the VersaTube™; no need to purchase transport caps or watch glass as separate components



Cap closes securely and can be locked down with the snap tab.



Etched, flat cap surface provides additional surface for labeling identification. Clear 50ml fill line.



Cap can easily be torn away to remove. Can be positioned to remain at the correct venting angle during processing.





Mediplast



A comprehensive range of bottle shapes, capacity and neck sizes are available in HDPE and LDPE resins.

### Pharmaceutical Round Bottles

A full range of bottles from 30cc to 1500cc capacity bottles manufactured from High Density Polyethylene.

Fill lines are available on the 120cc (100cc fill line) and 200 cc (150cc fill line).







Colour options such as white, natural,  
amber and black available upon request.

Mediplast



### Starline Rounds

A full range of bottles from 60cc to 500cc  
capacity manufactured from High Density  
Polyethylene.



## Boston Rounds

5cc, 10cc, 15cc and 30cc bottles available with or without a beaded neck manufactured with Low Density Polyethylene.



## Oblong

A range of 40cc to 125cc oblong bottles manufactured with High Density Polyethylene.



## Square

A range of 20cc to 150cc square bottles manufactured with High Density Polyethylene.





## Cylinder

3cc, 10cc (crimp neck), 30cc, 60cc and 250cc cylinder bottles manufactured with High Density Polyethylene.



## Peroxide bottles

Peroxide bottles in 120cc, 250cc and 500cc capacity.

Mediplast

## Starplex Scientific & Mediplast welcome any opportunity to partner with our customers and help bring products to life

### New Products

Do you have a new product idea?

Innovation is a key element to the growth and success of a company and the best ideas come from our customers.

Share your ideas with us.



### O.E.M. Opportunities

Are you a small pharmaceutical, medical device, biotechnology or related company, looking for a solution on how best to get your new product to market? Maybe it's a unique delivery mechanism or collection device... we can help.

Let our team work with you — from concept to full production.  
With our **SPEED, QUALITY** and **EXPERIENCE** we can make it happen.

Please contact us for Distributor options.

[info@starplexscientific.com](mailto:info@starplexscientific.com) | 1-800-665-0954 | [www.starplexscientific.com](http://www.starplexscientific.com)

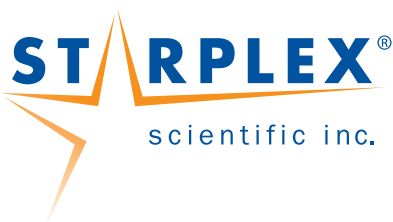


Starplex Scientific Inc.  
50 A Steinway Blvd.  
Etobicoke, Ontario  
Canada M9W 6Y3



Starplex Scientific Corp.  
705 Industrial Drive  
Cleveland, TN  
U.S.A. 37311











This Product Guide used 1400 lb(s) of Rolland Enviro100 Paper, which contains 100% post-consumer fibre and is manufactured in Canada, uses renewable biogas energy, is certified EcoLogo, processed Chlorine Free and FSC Recycled. Recyclable where facilities exist.

Starplex Scientific Inc. is a manufacturer of premium quality sample collectors and pharmaceutical/nutriceutical bottles. We are committed to patient care, responsible product disposal and respectful treatment of the environment.

**Environmental savings:** *(Compared to products in the industry made with 100% virgin fiber)*

-  **12 trees**
-  **43,457 L of water** *124 days of water consumption*
-  **538 kg of waste** *11 waste containers*
-  **3,852 lb CO<sub>2</sub>** *11756 km driven*
-  **10.5 GJ** *48,292 60W light bulbs for one hour*
-  **2.27 kg NOX** *emissions of one truck during 7 days*

