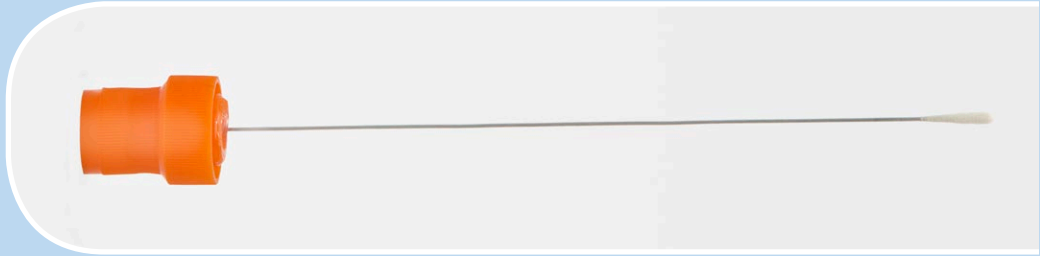




Manufacturers of leakproof sample collectors and premium quality pharmaceutical/nutraceutical bottles

www.starplexscientific.com
www.pretiumpkg.com
1-800-665-0954



Product Guide



40+

Starplex has been providing the medical community with superior products for over 40 years



Our Vision

Starplex 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 40-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 plastic packaging components. 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:

StarCLICK100™, 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*

VersaTube™ *Digestion tube for processing and analysis*

Starplex specializes in premium quality bottles and caps for the pharmaceutical, nutraceutical and food packaging markets. Starplex has 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

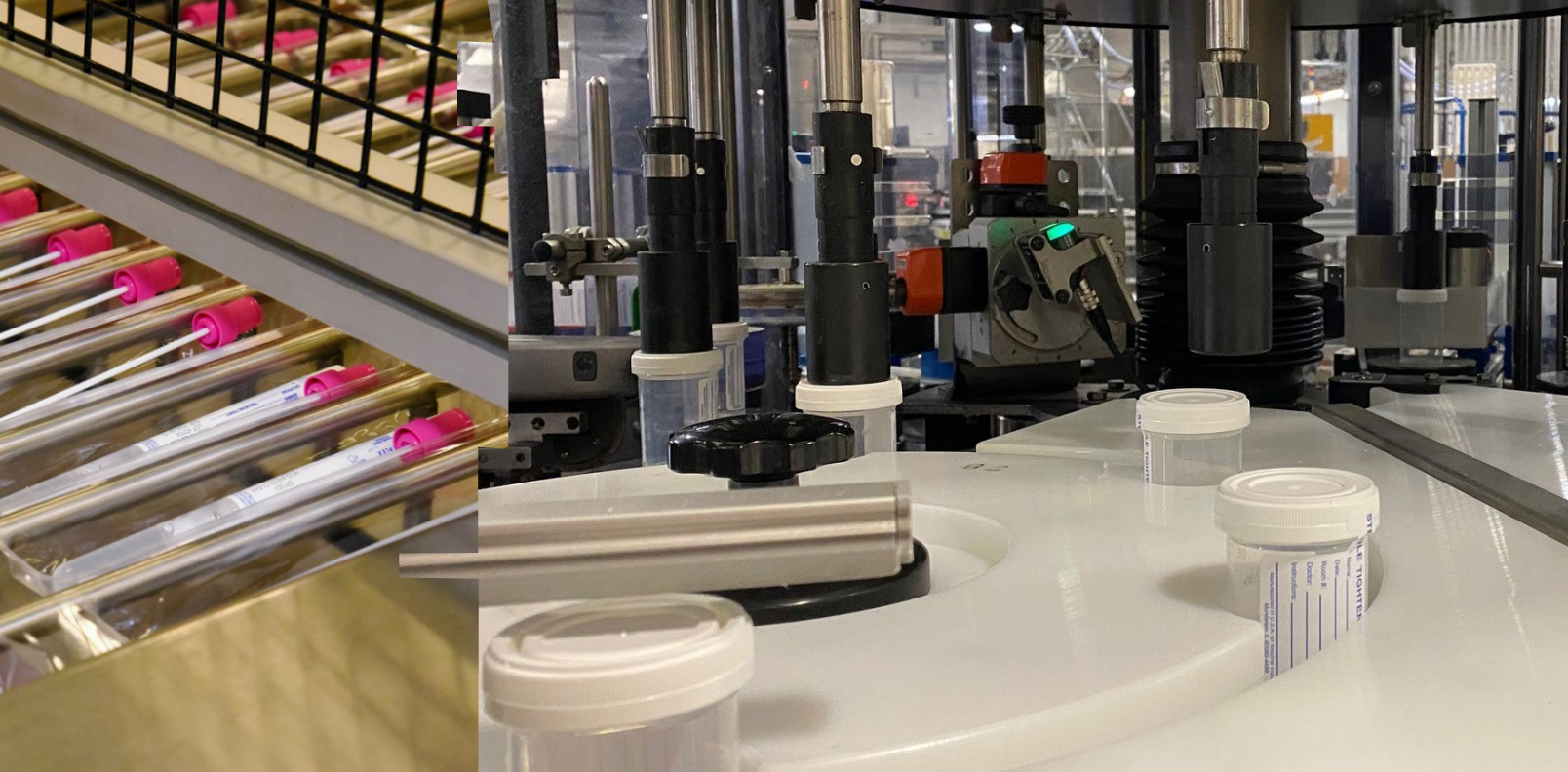
Starplex has been manufacturing in the Etobicoke facility for over 30 years, during which time we have expanded and upgraded the manufacturing and warehouse areas. This 135,000 square foot facility houses molding, media production, labelling and packaging. The facility is MDSAP and ISO 13485 certified for the manufacture of microbial and viral collection and transportation medical devices as well as FDA Interstate Milk Shipper (IMS) and FSSC 22000 certified for food packaging components, supplying high quality plastic components to the pharmaceutical, nutraceutical and food packaging industries.

The 34,500 sq. ft. facility in Saint-Laurent, Quebec has been molding plastic components for over 40 years and currently houses injection blow and extrusion blow molding machines and a decorating line with a dry heat shrink sleeve. The facility is ISO 9001: 2015 certified, HACCP and FDA Interstate Milk Shipper (IMS) certified for the manufacture of high quality plastic components for the pharmaceutical, food and beverage, cosmetic and personal care industries, following certified Good Manufacturing Practice compliance.

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. This plant specializes in injection and injection blow molding processes as well as the manufacture and labelling of sterile and non-sterile disposable plastic specimen collection and transportation systems for medical and in vitro diagnostic testing. Centrally located at the intersection of I75 and I90, we can 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.

Supplying Locally for our North American Customers

We believe in participating in the economy with local employment, local material sourcing and environmentally sound decisions that support a sustainable future. Starplex strongly believes that manufacturing needs to remain in the North American market. With the automation, efficiency and dedicated teamwork in place at our facilities, we are a competitive North American manufacturer that also supplies components around the globe. Complete customer satisfaction is our goal, with a strong focus on quality and on-time delivery, customized to meet your needs.



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



Quality Assurance

At Starplex, 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*
- *MDSAP (ISO 13485)*
- *HACCP*
- *FSSC22000*
- *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

Leakbuster™ 3 features 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 sterile format and a Midstream Kit format with a castile wipe enclosed in a clear plastic sterile 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 Joint Commission 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. Available with an orange or white cap.



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

Leakbuster™

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.

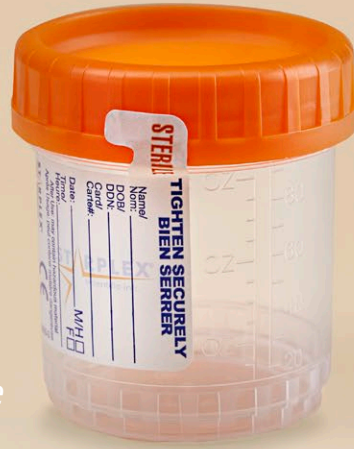


120ml (4oz) Water Testing Container

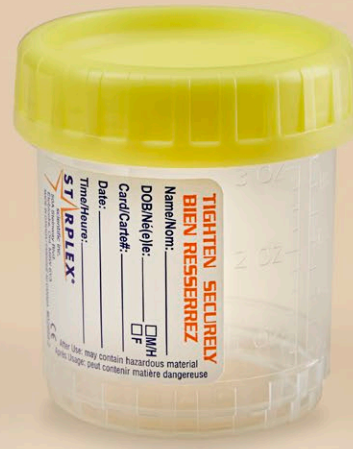
For dehalogenating water specimens prior to bacterial or organics testing

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*
- *Sterile containers feature a 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 Joint Commission 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



Molecular and Anaerobic Transport



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.

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 and Amies Charcoal 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

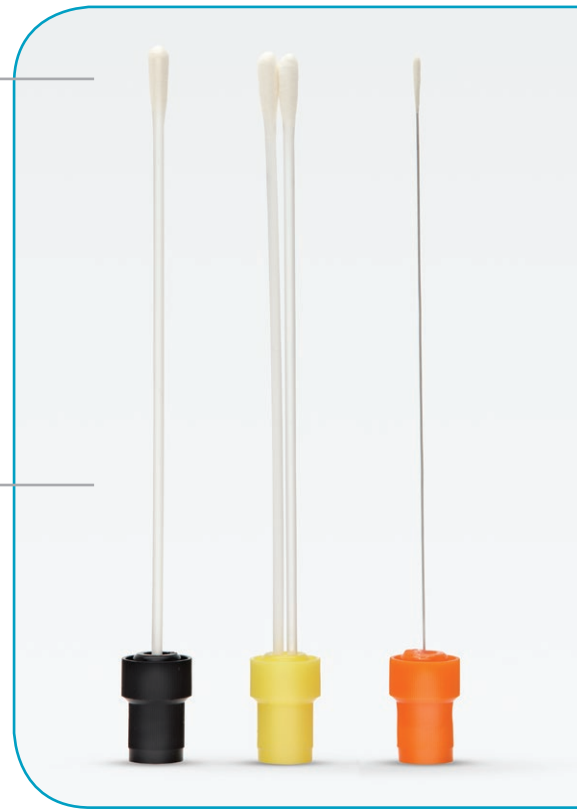
The media can be paired with a variety of swab tips and shafts. Studies available upon request.

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

Packaging

Sterile peel pouch single or double packed swabs are sealed into a metalized bag.

- 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



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.

Refer to Starplex Product Codes listing for detailed packaging information.



Molecular and Anaerobic Transport

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 or nylon flocked swab applicator 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 plastic peel pack.

The media tube is available with:

- Standard polyester swab
- Standard flocked swab
- Mini-tip flocked swab
- Combination pack with both a standard and mini-tip flocked 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

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.

Liquid Stuart's Media plus flocked swab

Compatible with rapid testing

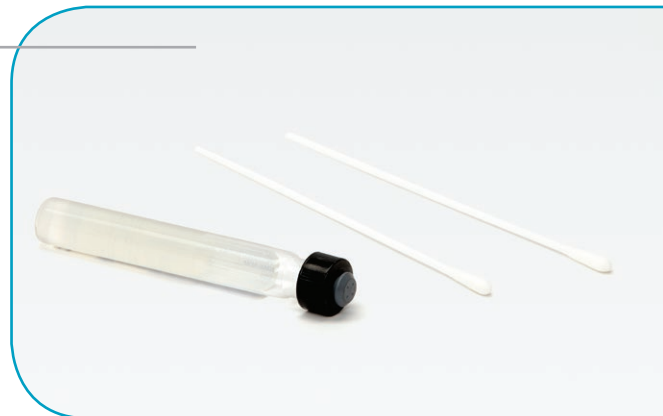
Liquid Stuart's media in the durable 10ml vial and swab retaining cap packaged with a standard flocked swab is ideal for various rapid testing methodology and with liquid sampling instrumentation.

Anerobic Transport System

Especially for fastidious anaerobes

The Anerobic Transport System is a self-contained, 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 sterile scored swabs packaged with each tube. 18 month shelf life.





Transport Vials

10ml Vials

Leak-proof, free standing, convenient storage

Leak resistant, graduated 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.

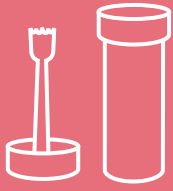


Round Bottom Tubes

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.

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

Plastic Utility Trays with Lids

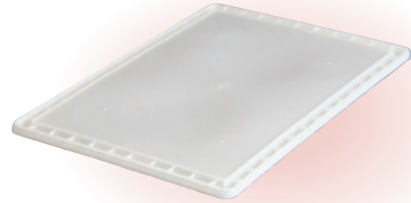
4.86L

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





Histoplex™

The secure seal of the 20ml – 1 litre Histoplex™ containers reduces most formalin leakage and evaporation. All empty containers are supplied with 10% neutral buffered formalin warning labels.

O-ring containers 20ml – 120ml

Molded “o-ring” cap design

Increased contact between the vial and the groove to create better seal and leak resistance

Polypropylene vial/polyethylene cap

Does not breathe; reduces formalin fumes

Reinforced top and bottom

Ridges for easy grasp; can't squeeze to cause leakage

Graduated container

Easy to perform quick view measurements

Straight sided

Solid, stable, not compressible, stackable



Histoplex™ containers are carefully engineered for the storage and light transport of histology specimens

250ml – 1 litre

Unique screw cap design

Prevents aerosols during cap removal

Ribbed cap and vial

Easy to grasp

Semi clear, graduated vial

Easy to view contents and measure

Nested in shipping cases

Saves storage space



2, 5, 8, 9 and 20 litre buckets

Tamper evident snap on lid

Lid will not pop off

Sturdy Construction

Prevents formalin fumes, strong handle for transport; withstands transport

Nested in shipping case

Saves storage space





An innovative solution for metals digestion



Versatube™

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

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.

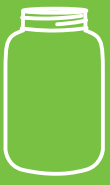


Etched, flat cap surface provides additional surface for labeling identification. Clear 50ml fill line.



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





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.

Starplex Pharma



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.





Pharma Line Cylinders

HDPE Pharma Cylinders from 75cc to 950cc, designed for optimal line filling efficiencies. 75cc and 120cc cylinders feature a 38-400 neck, while all larger sizes share a 53-400 neck.

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.

Starplex Pharma

Starplex welcomes 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 | 1-800-665-0954 | www.starplexscientific.com



Pretium Canada Packaging ULC:

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

Starplex
2800 Rue Halpern
Montreal, QC
Canada H4S 1R2









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



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

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.

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 CO₂** *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*

