TIME TECHNOPLAST LTD.

Leading through Innovations and Technology

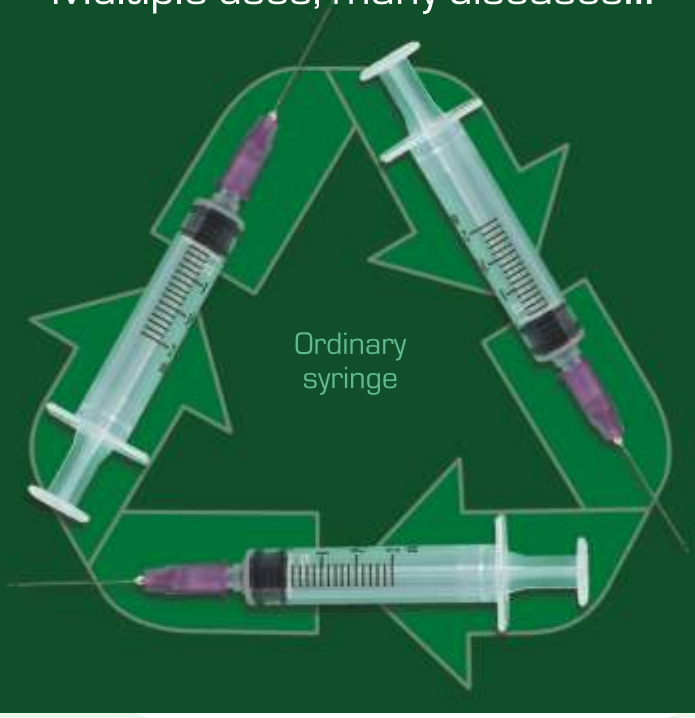
Healthcare Division

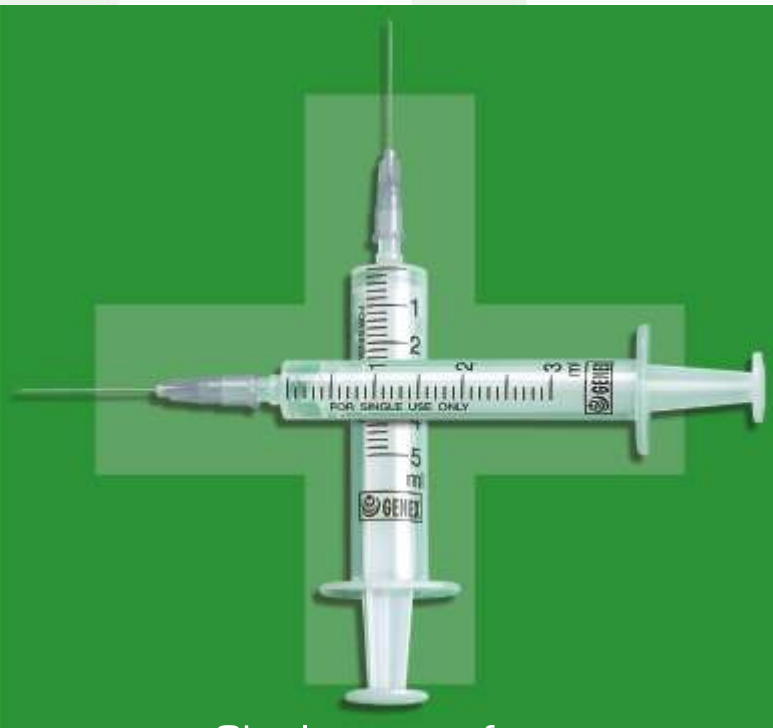
GENEX

AUTO BREAK

REUSE PREVENTION SYRINGE

Multiple uses, many diseases...





...Single use, safe use

Unsafe injections primarily arise due to reuse of disposable syringes or even due to improper / inadequate sterilization of reusable syringes.

Unsafe injections can result in the transmission of blood-borne pathogens from patient to patient, patient to health worker or even health worker to patient. The community at large is also at risk. This results in the exposure to diseases such as Hepatitis B Virus, Hepatitis C Virus and Human Immunodeficiency Virus (HIV). Recent studies reveal that sterilization of the syringes during reuse and maintenance of sterilization equipment isn't systematic.

Every year the cases of deaths due to unsafe syringes are on the rise. The figure is estimated at around 1.3 million deaths annually, a loss of 26 million years of life and a burden of US$ 535 million in direct medical costs.

Syringes with an inbuilt reuse prevention feature is an effective remedy to the above malady. Introducing GENEX **Auto Break** 'Reuse Prevention Syringe'.

AUTO BREAK SYRINGE

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Innovative Solutions for Safe Practices

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Auto Break Syringes provide the perfect answer to this problem. They reduce the risk of unsafe injection practices by eliminating the reuse of syringes and thereby lowering the risk of such infections.

The only way to guarantee the safety of these injections is to use one needle, one syringe for every patient. Auto Break Syringes lock the plunger after single use, thereby preventing reuse.

AUTO BREAK SYRINGE

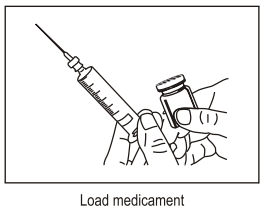
REUSE PREVENTION SYRINGE

- DESIGNED FOR SINGLE USE
- STERILE
- NON-PYROGENIC
- NON-TOXIC
- LATEX FREE
- PVC FREE
- METAL FREE DISABLING MECHANISM

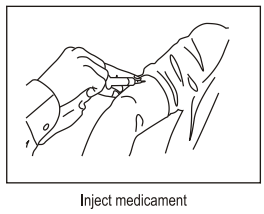
Technical Specifications

Product	Capacity	Needle Size	Quantity (nos.) per box Inner / Outer
Auto Break Syringe	2ml	0.55 mm x 25mm (24G x 1")	100 / 3000
Auto Break Syringe	3ml	0.55 mm x 25mm (24G x 1")	100 / 3000
Auto Break Syringe	5ml	0.55 mm x 25mm (24G x 1")	100 / 1800

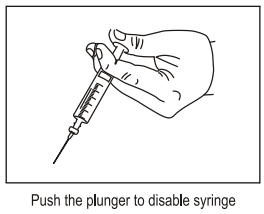
Usage Instructions



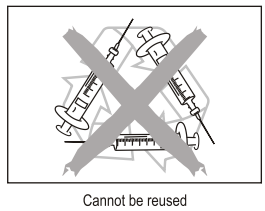
Load medicament



Inject medicament



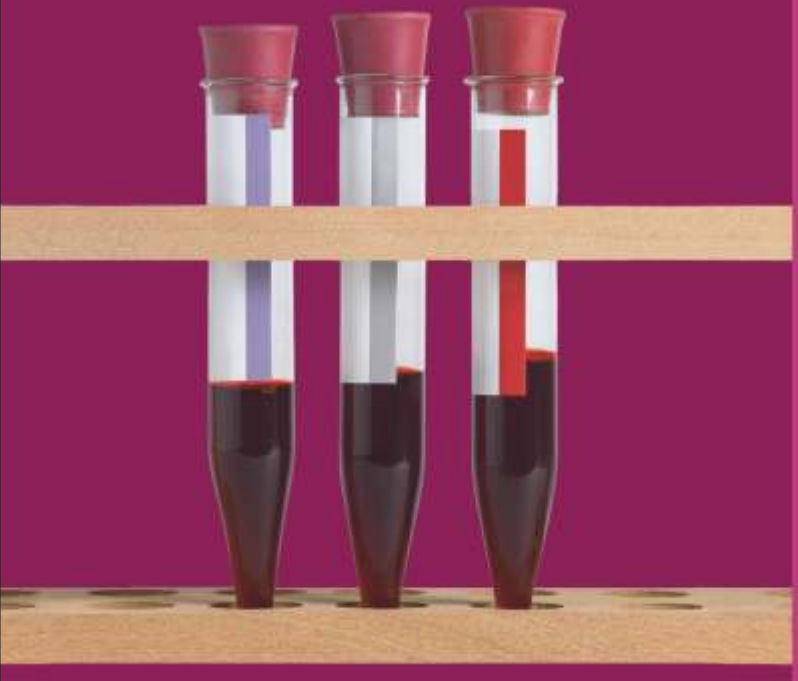
Push the plunger to disable syringe



Cannot be reused

GENEX
AUTO COLLECT
BLOOD SAMPLER

In a world of multiple usage...



Conventionally during the process of blood collection for pathological sampling and testing, regular syringes are used to draw blood, then transferred to reused glass bulbs and finally moved to reused test tubes for centrifuge.

The hazards involved with unsafe practices on a syringe equally apply here (risk associated with reuse). Glass bulbs and test tubes are also reused on a continuous basis necessitating cleaning and sterilization every time. Cross contamination risk is very much present owing to improper cleaning / sterilization.

TTL launches unique Auto Collect Blood Sampler, which eradicates all risks of cross contamination and mix-ups.

AUTO COLLECT BLOOD SAMPLER

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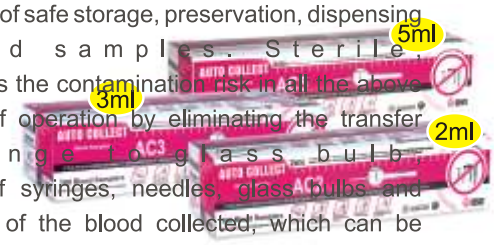
Auto Collect is a single device which is used for drawing blood, break piston to disable multiple use and cap it for storage and centrifuge testing. Auto Collect offers you the convenience of safe storage, preservation, dispensing and testing of blood samples. Sterile, non-toxic and non-pyrogenic, it negates the contamination risk in all the above steps. Moreover, it offers the ease of operation by eliminating the transfer of blood from syringe to glass bulb, test tube and avoiding the reuse of syringes, needles, glass bulbs and test tubes. It gives a clear measure of the blood collected, which can be used for various analytical tests. So no wonder, Auto Collect is a safer and convenient way of blood sampling and it's cost-effective too.



Plain

With N_aF added

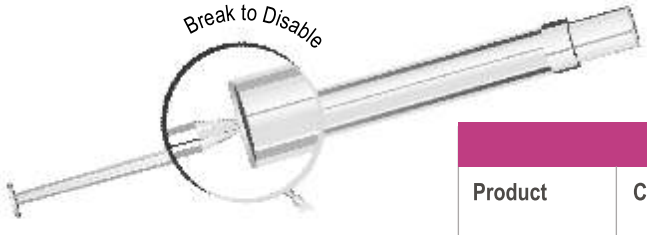
With K_2EDTA added

*AUTO COLLECT

Blood Sampler

AUTO COLLECT BLOOD SAMPLER

• Single device for collection cum storage • Auto-disabling feature • Designed for Single Use Only • Sterile • Non-Pyrogenic • Latex free • No contamination

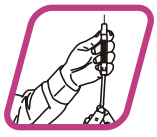


Technical Specifications

Product	Capacity	Type of Additive	Colour Code	Needle Size	Quantity (nos.) per box Inner / Outer
Auto Collect Blood Sampler	2ml	With Sodium Fluoride (5.0 mg) coated Polystyrene crystals	Grey	0.70 mm x 25 mm (22G x 1")	100 / 1000
Auto Collect Blood Sampler	3ml	With K_2EDTA (5.0 mg) coated Polystyrene crystals	Lavender	0.70 mm x 25 mm (22G x 1")	100 / 1000
Auto Collect Blood Sampler	5ml	With Plain Polystyrene crystals	Red	0.70 mm x 25 mm (22G x 1")	100 / 1000

Usage Instructions

Draw Blood


Pull Plunger to the extreme end

Replace Needle with cap

Break Plunger

Use Blood Sampler for testing

* Patent pending

GENEX – OTSafe

CHAMBER MASKS

MULTI-PURPOSE MASKS

Lay yourself bare to hazards...

...Or make sure you have this protection.

With the changing nature of healthcare today, you and your patients protection is sacrosanct. Especially when it comes to dealing with diseases like AIDS & Hepatitis, having reliable protection is paramount.

Protective masks are widely used in Operation theatres, Critical care departments, Quarantine areas, etc. High protective masks are required which not only protect in a bacterial air-borne environment, but will also protect the wearer from blood and body fluid splash or splatter. Time Group launches **'OTSafe Chamber Masks'** with high bacterial filtration efficiency.

TTL launches **'OTSafe Multi-Purpose Masks'** with high performance standards. These masks are also widely used for protection against air-borne infections in areas such as OPD, wards, fumigation and cleaning areas, laboratories, clinics, etc.

Unfortunately majority of the masks available in the market today are manufactured using low-tech process and low quality material. Products from the unorganized sector cannot ensure high bacterial filtration efficiency and have poor fluid penetration resistance.

DISPOSABLE FACE MASKS

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Innovative Solutions for Safe Practices

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Innovative Solutions for Safe Practices

Selecting and wearing the right protective mask is very critical. And that's precisely why Time has developed **'OTSafe Masks' -** high quality masks that reduce the exposure to potentially infectious hazards. Available in two variants**- 'Chamber Mask'** & **'Multi-Purpose Mask' -** they have high bacterial filtration efficiency which protects against risk of infection.

Manufactured on a fully automated plant and ultrasonically sealed, the high quality filters ensure high bacterial filtration efficiency apart from fluid penetration resistance in the case of OTSafe Chamber Mask.

These masks have bi-directional pleat design with horizontal ties/loops, which offer comfort, breathability and reduce the risk of exposure to blood-borne pathogens.

OTSafe DISPOSABLE FACE MASKS

Chamber Mask

Multi-Purpose Mask

Technical Specifications

Parameters	GENEX Chamber Mask	GENEX Multi-Purpose Mask
Product description	3 layer mask: L1 Spunbound non-woven L2 - High barrier L3 Spunbound non-woven Special profile with more room for easy breathing	2 layer mask : L1 Spunbound non-woven L2 Spunbound non-woven Comfortable fit and can even be worn with spectacles
Filtration efficiency	*99% Bacterial Filtration Efficiency	Good
Blood penetration resistance	**Passes	N.A.
Manufacturing Process	Fully automatic and ultrasonically sealed Untouched by human hands	Fully automatic and ultrasonically sealed Untouched by human hands
Wearing option	Tie / Loop	Tie / Loop
Quantity (nos) per box Inner / Outer	50/1000	50/1000

* Tested at BTRA as per ASTM F 2101 - 01
** Tested at BTRA as per ASTM F 1862 / ASTM ES 21 - 92

The Genesis Of GENEX

Time Technoplast Ltd. (TTL) is one of the leading Plastic Processors with focus on technology driven business. Grossing a turnover of Rs. 300 crores, the group's interest ranges from Packaging, Moulded Furniture, Matting, Mouldings and now Medical Disposables.

TTL has tapped the Healthcare Industry's potential to grow at an enormous rate and has identified opportunity in this sector. The Healthcare Industry worth Rs. 850 bn. is growing at a whopping 15% annually and is estimated to touch Rs. 2025 bn. by year 2012. With the population over a billion in India and growing at 2% annually the demand on healthcare is ever increasing.

Some of the major health issues prevailing in India and globally is the spread of HIV, Hepatitis B, Hepatitis C and other blood-transmitted diseases. Millions of lives are affected by these deadly killers every year. Surprisingly a good amount of the spread of such diseases can be stopped by preventing use of unsafe injections. Unsafe injections put the community at large to risk, including the health workers, apart from the patients. These problems call for innovative solutions, which could guarantee safe practices. TTL is launching a unique range of products, which offer innovative solutions to these problems. Some of the products being launched are Auto Break (Reuse Prevention Syringe), Auto Collect (Blood Sampler) and OT Safe (Disposable Face Mask).

Headquartered in Mumbai, Time Technoplast Ltd., has a state-of-the-art manufacturing unit at Baddi. Its automated high-speed plant is equipped with the latest machinery, printing, assembling and packaging units that take care right from manufacturing to final delivery of the product. A well-equipped testing & research facility takes care of new product developments, which are in-sync with the market needs. Sterility Test, Toxicity Test, Pyrogenicity Test, etc. assure more reliability.

With a vision for tomorrow, TTL is all set to carve a niche for itself in the healthcare industry. And make a valuable difference through innovation and its ever-evolving range of products.

TIME

TIME TECHNOPLAST LTD.

Leading through Innovations and Technology

Healthcare Division

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Designed by max