



#### Techno Plas Pty Ltd 8 Benjamin Street St Marys SA 5042

Operates a management system that complies with the requirements of:

AS/NZS ISO 9001:2008

The Scope of Certification is:

Design and manufacture of plastic injection moulded products for national and international markets. Product range includes more than 600 disposable laboratory consumables including forceps, specimen containers, petri dishes and centrifuge tubes together with breathalyser tips for the Australian Police Force and custom moulded products for the pharmaceutical, cosmetic, automotive and wine industries.

Certification Number:

6048

Certification Date:

05 January 1993











#### **About Us**



With over 25 years of industry leading experience, Techno Plas is a fully Australian owned and operated company with our head office in St Marys, South Australia.

At our facility we have over 30 state of the art injection moulding machines. Our constant improvement program ensures all equipment is constantly being upgraded to the latest technology most suited to the many individual items we manufacture.

Our commitment to quality is proven in our highly automated, air conditioned, environmentally controlled plant, which results in the products we produce being of consistent high quality.





We understand service, delivery and responsiveness are a must, which is why we focus on flexibility and reliability in our plant, automation and continuous investments in supply chain management and advanced computer systems. This focus enables us to maintain optimum stock levels, provides picking and despatch accuracy and results in best 'on time' shipment outcomes. Our delivery responsiveness is second to none something only a local Australian manufacturer can provide.

We also have a unique and highly qualified range of distribution partners, companies whom we have been working with over many years. Our aim is to offer customers great convenience and unparalleled choice in how and where their consumables can be sourced.







**Proud Corporate Partner** 





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**Faecal Collection Products** 



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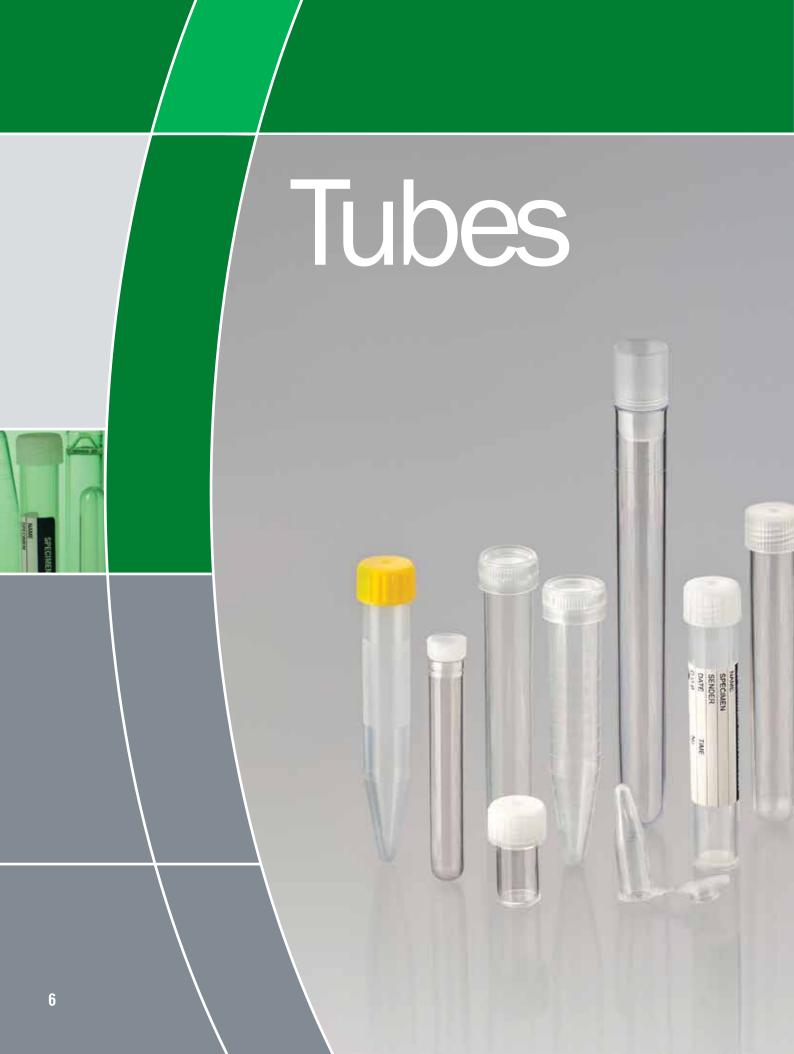
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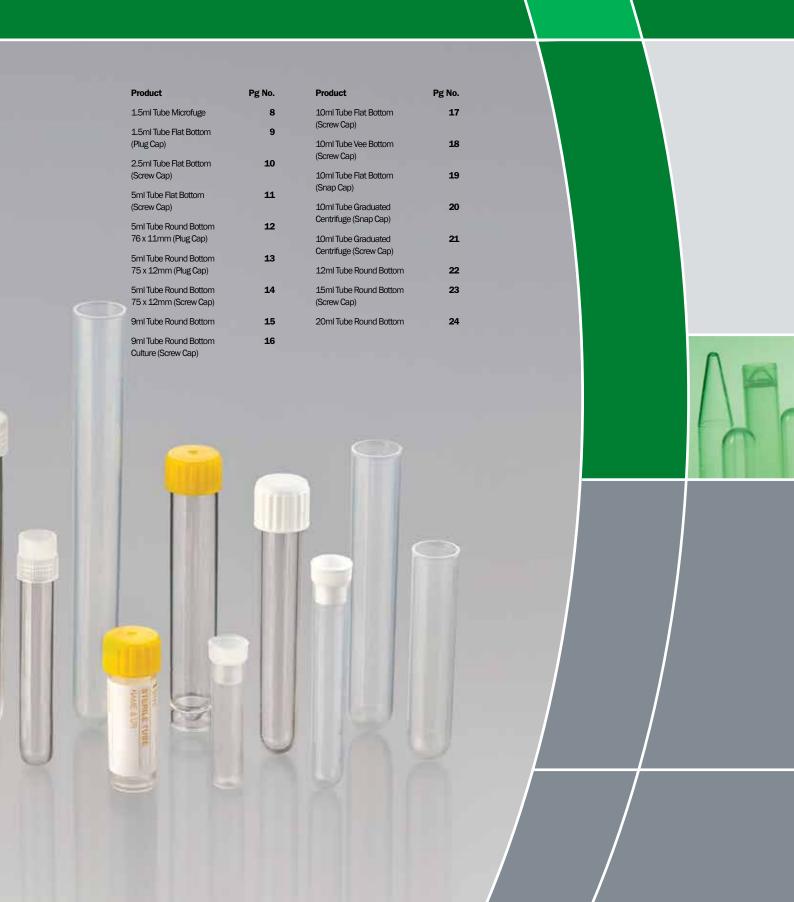
**Environmental Management** 

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**Dimensions:** 40mm high x 10mm wide

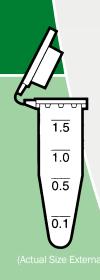
Brimful: 1.7ml

Cap: Attached pierceable cap Inner Pack: 1,000 tubes per bag

**Options:** Other colours are available on request **Features:** Graduations from 0.1ml to 1.5ml in 0.5ml steps (graduations inside)
Etched writing surface on the side of tube
Designed to withstand the stresses of
high speed centrifugation

# 1.5ml Microfuge Tube





PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polypropylene Tube			
P4010	Natural Tube Only	8,000	0.078



# 1.5ml Flat Bottom Tube (Plug Cap)

**Dimensions:** 44mm high x 11mm wide

**Brimful:** 2.7ml **Cap:** Plug Cap

Inner Pack: 1,000 tubes per bag

1,000 caps per bag

Options: Also available in Polypropylene



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polystyrene Tube wi	th Polyethylene Cap		
S4411UU	Unlabelled, Natural Plug Cap Separate	5,000	0.078
Cap to suit			
E7611C-02	11mm Plug Cap PE Natural	20,000	0.061

Minimum order quantities may apply



Actual Size External)

**Dimensions:** 35mm high x 16mm wide **Brimful:** 3.9ml

Cap: 3 start thread Inner Pack: 500 tubes per bag

1,000 caps per bag

### 2.5ml Flat **Bottom Tube** (Screw Cap)







PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polypropylene Tube with Polyethylene Cap			
P3516UU	Unlabelled, Natural Cap Separate	3,000	0.061
Polystyrene Tube with Polyethylene Cap			
S3516UU	Unlabelled, Natural Cap Separate	3,000	0.061



### 5ml Flat Bottom Tube (Screw Cap)

**Dimensions:** 50mm high x 16mm wide

Brimful: 6.5ml

Cap: 3 start thread Inner Pack: 200 tubes per bag

1,000 caps per bag

Options: Coloured caps are

available on request



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polycarbonate Tube	with Polypropylene Cap		
C5016UU	Unlabelled, Natural Cap Separate	2,000	0.078
Polypropylene Tube v	vith Polyethylene Cap		
P5016UU	Unlabelled, Natural Cap Separate	2,000	0.078
P5016UL	Labelled, Natural Cap Separate	2,000	0.078
P5016SU	Unlabelled, Yellow Capped, Gamma Sterile	2,000	0.078
P5016SL	Labelled, Yellow Capped, Gamma Sterile	2,000	0.078
Polystyrene Tube wit	h Polyethylene Cap		
S5016UU	Unlabelled, Natural Cap Separate	2,000	0.078
S5016UL	Labelled, Natural Cap Separate	2,000	0.078
S5016SU	Unlabelled, Yellow Capped, Gamma Sterile	2,000	0.078
S5016SL	Labelled, Yellow Capped, Gamma Sterile	2,000	0.078
Minimum order quantities ma	v onnh		





**Dimensions:** 76mm high x 11.5mm wide

Brimful: 4.56ml Cap: Plug Cap

Inner Pack: 500 tubes per bag

1,000 caps per bag **Options:** Also available in Polypropylene

# 5ml Round **Bottom Tube** (Plug Cap)



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polystyrene Tube with	n Polyethylene Cap		
S7611	Tube Only	3,000	0.078
S7611UU	Unlabelled, Natural Plug Cap Separate	3,000	0.078
Cap to suit			
E7611C-02	11mm Plug Cap PE Natural	20,000	0.061



# 5ml Round **Bottom Tube** (Plug Cap)

**Dimensions:** 75mm high x 12mm wide Brimful: 5.2ml

Cap: Plug Cap

Inner Pack: 500 tubes per bag 1,000 caps per bag





PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Blood Sample Tube - Round Base Polypropylene with Polyethylene Cap			
P7512	Tube Only	3,000	0.078
P7512UU	Unlabelled, White Cap Separate	3,000	0.078
Blood Sample Tube – Round Base Polystyrene with Polyethylene Cap			
S7512	Tube Only	3,000	0.078
S7512UU	Unlabelled, White Cap Separate	3,000	0.078
Cap to suit			
E7512C	12mm Plug Cap PE White	20,000	0.061



**Dimensions:** 75mm high x 12mm wide

Brimful: 5.2ml
Cap: Single start thread
Inner Pack: 500 tubes per bag

1,000 caps per bag

Options: Coloured caps are available on request

### 5ml Round Bottom Tube (Screw Cap)







PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Blood Sample Tube -	Round Base Polycarbonate with Polypropylene Cap		
C7512TUU	Unlabelled, Natural Cap Separate	3,000	0.078
Blood Sample Tube -	Round Base Polypropylene with Polypropylene Cap		
P7512T	Tube Only	3,000	0.078
P7512TUU	Unlabelled, Natural Cap Separate	3,000	0.078
P7512TSU	Unlabelled, Yellow Capped, Gamma Sterile	3,000	0.078
Blood Sample Tube -	Blood Sample Tube – Round Base Polystyrene with Polypropylene Cap		
S7512T	Tube Only	3,000	0.078
S7512TUU	Unlabelled, Natural Cap Separate	3,000	0.078
S7512TSU	Unlabelled, Yellow Capped, Gamma Sterile	3,000	0.078
Cap to suit			
P7512TC	12mm Threaded Cap PP Natural	10,000	0.0324



### 9ml Round Bottom Tube

**Dimensions:** 75mm high x 16mm wide **Brimful:** 9ml

Cap: Suits our 16mm Auscap (refer page 66)
Inner Pack: 500 tubes per bag

**Options:** Also available in Polystyrene



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polypropylene Tube			
P7516	Tube Only	3,000	0.094

Minimum order quantities may apply



(Actual Size External)

**Dimensions:** 94mm high x 14mm wide **Brimful:** 9ml

Cap: 2 start thread

Inner Pack: 300 tubes per bag

1,500 caps per bag

Options: Coloured caps are available on request

### 9ml Round Bottom Culture Tube (Screw Cap)



DESCRIPTION	CTN QTY	CTN/M3
Culture Tube - Round Base Polycarbonate with Polypropylene Cap		
Unlabelled, White Cap Separate	1,500	0.078
Unlabelled, Yellow Capped, Gamma Sterile	1,500	0.078
Culture Tube – Round Base Polystyrene with Polypropylene Cap		
Unlabelled, Yellow Capped, Gamma Sterile	1,500	0.078
	d Base Polycarbonate with Polypropylene Cap Unlabelled, White Cap Separate Unlabelled, Yellow Capped, Gamma Sterile d Base Polystyrene with Polypropylene Cap	d Base Polycarbonate with Polypropylene Cap  Unlabelled, White Cap Separate 1,500  Unlabelled, Yellow Capped, Gamma Sterile 1,500  d Base Polystyrene with Polypropylene Cap



# 10ml Flat **Bottom Tube** (Screw Cap)

**Dimensions:** 97mm high x 16mm wide **Brimful:** 12.5ml

Cap: 3 start thread

Inner Pack: 100 tubes per bag 1,000 caps per bag

**Options:** Coloured caps are available on request



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polycarbonate Tube v	Polycarbonate Tube with Polypropylene Cap		
C9716UU	Unlabelled, Natural Cap Separate	1,000	0.061
Polypropylene Tube v	vith Polyethylene Cap		
P9716UU	Unlabelled, Natural Cap Separate	1,000	0.061
P9716UL	Labelled, Natural Cap Separate	1,000	0.061
P9716SU	Unlabelled, Yellow Capped, Gamma Sterile	1,000	0.061
P9716SL	Labelled, Yellow Capped, Gamma Sterile	1,000	0.061
Polystyrene Tube wi	th Polyethylene Cap		
S9716UU	Unlabelled, Natural Cap Separate	1,000	0.061
S9716SU	Unlabelled, Yellow Capped, Gamma Sterile	1,000	0.061
S9716SL	Labelled, Yellow Capped, Gamma Sterile	1,000	0.061





**Dimensions:** 97mm high x 16mm wide

Brimful: 11.8ml

Cap: 3 start thread Inner Pack: 100 tubes per bag

1,000 caps per bag

Features: Graduations at 2ml, 5ml & 10ml

(graduations inside)

Free-standing Vee bottom tube

### 10ml Vee **Bottom Tube** (Screw Cap)



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polypropylene Tube w	vith Polyethylene Cap		
P9716VUU	Unlabelled, Natural Cap Separate	1,000	0.061
Polystyrene Tube with Polyethylene Cap			
S9716VUU	Unlabelled, Natural Cap Separate	1,000	0.061
S9716VSU	Unlabelled, Yellow Capped, Gamma Sterile	1,000	0.061



# 10ml Flat Bottom Tube (Snap Cap)

**Dimensions:** 100mm high x 17mm wide

**Brimful:** 15.6ml

Cap: Snap Cap

Inner Pack: P10017-01 Scramble Packed Loose P10017UU 100 tubes per bag

1,000 caps per bag



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polypropylene Tube with Polypropylene Cap			
P10017-01	Tube Only	1,500	0.094
P10017UU	Unlabelled, Natural Cap Separate	1,000	0.078

Minimum order quantities may apply



(Actual Size External)

**Dimensions:** 96mm high x 17mm wide

Brimful: 13.85ml Cap: Snap Cap

Inner Pack: 100 tubes per bag

1,000 caps per bag

**Options:** Sterilised option available

Features: Graduations from 0.5ml to 10ml in 1ml

steps (graduations inside)

# 10ml Graduated Centrifuge Tube (Snap Cap)



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polypropylene Centrifuge Tube with Polypropylene Cap			
P9617	Tube Only	1,000	0.061
P9617UU	Unlabelled, Natural Cap Separate	1,000	0.061

Minimum order quantities may apply



- 10 ML

# 10ml Graduated Centrifuge Tube (Screw Cap)

**Dimensions:** 103mm high x 16mm wide

**Brimful:** 11.77ml Cap: 3 start thread Inner pack: 100 tubes per bag

1,000 caps per bag

Features: Graduations from 0.5ml to

10ml in 1ml steps (graduations inside)

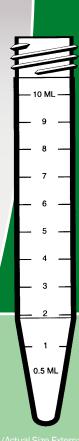
Etched writing surface



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polypropylene Centrif	uge Tube with Polyethylene Cap		
P10316	Tube Only	1,000	0.061
P10316UU	Unlabelled, Natural Cap Separate	1,000	0.061
P10316SU	Unlabelled, Yellow Capped, Gamma Sterile	1,000	0.061
Polystyrene Centrifug	te Tube with Polyethylene Cap		
S10316	Tube Only	1,000	0.061
S10316UU	Unlabelled, Natural Cap Separate	1,000	0.061
S10316SU	Unlabelled, Yellow Capped, Gamma Sterile	1,000	0.061







**Dimensions:** 100mm high x 16mm wide

Brimful: 13.75ml

Cap: Suits our 16mm Auscap and 17mm Overcap

(refer page 66 & 67)

Inner pack: Scramble packed loose

### 12ml Round **Bottom Tube**



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polypropylene Tube			
P10016	Tube Only	2,000	0.094



# 15ml Round **Bottom Tube** (Screw Cap)

**Dimensions:** 110mm high x 16mm wide

Brimful: 15ml

Cap: 3 start thread

Inner pack: 250 tubes per bag 1,500 caps per bag



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polycarbonate Tube v	vith Polypropylene Cap		
C11016	Tube Only	1,500	0.094
C11016UU	Unlabelled, Natural Cap Separate	1,500	0.094
Polystyrene Tube with	Polyethylene Cap		
S11016	Tube Only	1,500	0.094
S11016UU	Unlabelled, Natural Cap Seperate	1,500	0.094





**Dimensions:** 150mm high x 16mm wide

Brimful: 20.5ml
Cap: Suits our 16mm Auscap (refer page 66)

Inner pack: Scramble packed loose Features: Graduations at 18ml & 20ml

(graduations inside)

### 20ml Round **Bottom Tube**



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polypropylene Tube			
P15016	Tube Only	1,000	0.094
Polystyrene Tube			
S15016	Tube Only	1,000	0.094
Cap to suit			
P15016C	16mm Push Cap PP Natural	7,500	0.094





# Specialised Moulding

Techno Plas is the supplier of choice for many multi-national, quality conscious organisation's whose requirements for high volume, specialised moulded products and time critical delivery call for something reliable, new and innovative.

Working with Techno Plas is more than just another moulding company. In our specialist moulding division we take your plastic consumable problems or desires and work in house from part and tool design, through to tooling build management and warranty, to a fully approved and production ready part.





Our highly specialized in-house technical staff, have extensive experience across many industries and consumable injection moulding applications.

To you, this means we are able to offer invaluable technical advice and direction on how a specific project outcome can best be achieved and integrated into your processes. Your company can leverage from knowledge gained by personnel who run one of Australia's leading edge, fully automated facilities. Staff travel the world for training and bring the best technologies and solutions to our production facility and customer projects. This allows us to continually upgrade our plant with the latest machines and automation which guarantees that our solutions make commercial sense, ensuring we add value not cost to the process.

Techno Plas has the ability and efficiencies to manufacture and export commodity plastic consumables to China – our solutions are high end, our costs and prices are not.



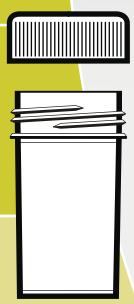




Brimful: 24.9ml
Cap: 3 start thread
Inner pack: 100 containers per bag
250 caps per bag
Options: Coloured caps are available

### 25ml Flat Bottom Container (Screw Cap)





PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polycarbonate Conta	iner with Polypropylene Cap		
C5527UU	Unlabelled, White Cap Separate	500	0.061
Polypropylene Contai	ner with Polyethylene Cap		
P5527UU	Unlabelled, Natural Cap Separate	500	0.061
P5527SU	Unlabelled, Yellow Capped, Gamma Sterile	500	0.061
Polystyrene Containe	r with Polyethylene Cap		
S5527UU	Unlabelled, Natural Cap Separate	500	0.061
S5527SU	Unlabelled, Yellow Capped, Gamma Sterile	500	0.061
S5527SL	Labelled, Yellow Capped, Gamma Sterile	500	0.061



# 28ml Flat Bottom Container (Screw Cap)

**Dimensions:** 68mm high x 27mm wide

Cap: 3 start thread

Inner pack: Scramble packed loose
Options: Coloured caps are

available on request



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polypropylene Contain	ner with Polyethylene Cap		
P28	Unlabelled, Yellow Capped, Clean Environment Manufactured	1,000	0.094
P28SU	Unlabelled, Yellow Capped, Gamma Sterile	1,000	0.094

Minimum order quantities may apply





(Actual Size External

**Dimensions:** 80mm high x 27mm wide

**Brimful:** 37.7ml **Cap:** 3 start thread

Inner pack: 50 containers per bag

250 caps per bag

**Options:** Coloured caps are available on request

### 30ml Universal Flat Bottom Container (Screw Cap)







### 30ml Universal Vee Bottom Container (Screw Cap)

Dimensions: 90mm high x 25mm wide

Brimful: 29.77ml

Cap: Single start thread

Inner pack: 50 containers per bag

250 caps per bag



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polycarbonate Contai	iner with Polypropylene Cap		
C9025UU	Unlabelled, White Cap Separate	500	0.078
C9025SU	Unlabelled, Yellow Capped, Gamma Sterile	500	0.078
Polypropylene Contain	ner with Polypropylene Cap		
P9025UU	Unlabelled, White Cap Separate	500	0.078
P9025UL	Labelled, White Cap Separate	500	0.078
P9025SU	Unlabelled, Yellow Capped, Gamma Sterile	500	0.078
Polystyrene Containe	r with Polypropylene Cap		
S9025SU	Unlabelled, Yellow Capped, Gamma Sterile	500	0.078





Dimensions: 102mm high x 27mm wide

**Brimful:** 48.55ml **Cap:** 3 start thread

Inner pack: Scramble packed loose

**Options:** Coloured caps are available on request

### 50ml Flat Bottom Container (Screw Cap)



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polypropylene Container with Polyethylene Cap			
P50	Unlabelled, Yellow Capped, Clean Environment Manufactured	700	0.094





# 70ml Flat Bottom Container (Screw Cap)

**Dimensions:** 57mm high x 44mm wide

Can: 3 start thread

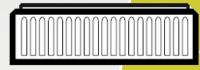
Inner pack: Scramble packed loose
Options: Sodium Thiosulphate dosed
option available (refer page 42)
Coloured caps & custom labels
are available on reques

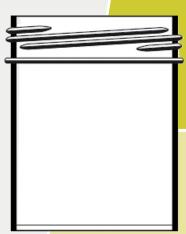


PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polycarbonate Conta	iner with Polypropylene Cap		
C5744UU	Unlabelled, Natural Cap Separate	500	0.094
Polypropylene Contai	ner with Polyethylene Cap		
P5744UU	Unlabelled, Natural Capped, Clean Environment Manufactured	550	0.094
P5744UUUV	Unlabelled, Yellow Capped, Clean Environment Manufactured	550	0.094
P5744ULUV	Labelled, Yellow Capped, Clean Environment Manufactured	550	0.094
P5744SU	Unlabelled, Yellow Capped, Gamma Sterile	550	0.094
P5744SL	Labelled, Yellow Capped, Gamma Sterile	550	0.094
Polystyrene Containe	r with Polyethylene Cap		
S5744UU	Unlabelled, Natural Capped, Clean Environment Manufactured	550	0.094
S5744UUUV	Unlabelled, Yellow Capped, Clean Environment Manufactured	550	0.094
S5744ULUV	Labelled, Yellow Capped, Clean Environment Manufactured	550	0.094
S5744SU	Unlabelled, Yellow Capped, Gamma Sterile	550	0.094
S5744SL	Labelled, Yellow Capped, Gamma Sterile	550	0.094

Minimum order quantities may apply







(Actual Size External)

Dimensions: 108mm high x44mm wide

Cap: 3 start thread

Inner pack: PP Scramble packed loose PC & PS Stacked 3 layers of 100 Options: Sodium Thiosulphate dosed

Options: Sodium Thiosulphate dosed option available (refer page 42)
Coloured caps & custom labels are

available on request

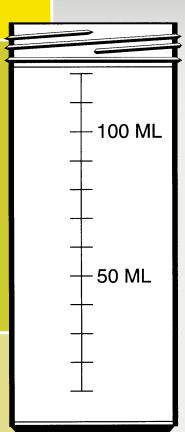
Features: Graduations from 10ml to 120ml in

10ml steps (graduations inside)

### 120ml Flat Bottom Container (Screw Cap)



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polycarbonate Conta	iner with Polypropylene Cap		
C10844UU	Unlabelled, Natural Capped	300	0.088
Polypropylene Contai	iner with Polyethylene Cap		
P10844UU	Unlabelled, Natural Capped	300	0.094
P10844UUUV	Unlabelled, Yellow Capped	300	0.094
P10844ULUV	Labelled, Yellow Capped	300	0.094
P10844SU	Unlabelled, Yellow Capped, Gamma Sterile	300	0.094
P10844SL	Labelled, Yellow Capped, Gamma Sterile	300	0.094
Polystyrene Containe	er with Polyethylene Cap		
S10844UU	Unlabelled, Natural Capped	300	0.088
S10844-04	Unlabelled, Yellow Capped	300	0.088
S10844ULUV	Labelled, Yellow Capped	300	0.088
S10844SU	Unlabelled, Yellow Capped, Gamma Sterile	300	0.088
S10844SL	Labelled, Yellow Capped, Gamma Sterile	300	0.088







### 120ml Flat **Bottom Container** (Screw Cap)

Cap: 3 start thread
Inner pack: Scramble packed loose
Options: Coloured caps and custom labels are



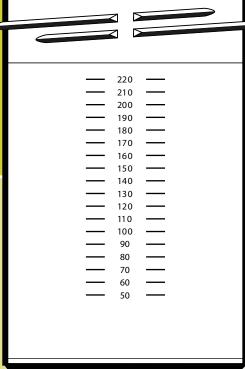


Brimful: 279ml
Cap: 2 start thread
Inner pack: Stacked 3 layers of 49 **Options:** Sodium Thiosulphate dosed option available (refer page 42)

Features: Graduations from 50ml to

### 250ml Flat **Bottom Container** (Screw Cap)





PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polycarbonate Contai	ner with Polypropylene Cap		
C10065UU	Unlabelled, Natural Capped	147	0.082
C10065SU	Unlabelled, Yellow Capped, Gamma Sterile	147	0.082
Polypropylene Contail	ner with Polyethylene Cap		
P10065UU	Unlabelled, White Capped	147	0.082
P10065UL	Labelled, White Capped	147	0.082
Polystyrene Container	r with Polyethylene Cap		
S10065UU	Unlabelled, Natural Capped	147	0.082
S10065UL	Labelled, Natural Capped	147	0.082
S10065SU	Unlabelled, Yellow Capped, Gamma Sterile	147	0.082
S10065SL	Labelled, Yellow Capped, Gamma Sterile	147	0.082



#### 500ml Flat Bottom Container (Screw Cap)

Dimensions: 125mm high x 90mm wide
Brimful: 556ml
Cap: Single start thread
Options: Sodium Thiosulphate dosed
option available (refer page 42)

option available (refer page 42)

Features: Tapered sides for stackability of containers

Cap has been specially designed to allow the capped containers to be stacked.



0.09

0.09

126 72

Minimum and a substitute and a section	

S12590UU

S12590SU



Unlabelled, Natural Cap Separate

Unlabelled, Yellow Capped, Gamma Sterile

(Not to scale)

**Dimensions:** 30ml – 80mm high x 27mm wide 70ml – 57mm high x 44mm wide **Brimful:** 30ml – 37.7ml

70ml - 71ml **Features:** Individually wrapped in

## Containers Individually Wrapped



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polystyrene Containe	er with Polyethylene Cap		
S8027SLI	30ml Container Polystyrene, Labelled, Yellow Capped, Gamma Sterile	300	0.094
S5744SLI	70ml Container Polystyrene, Labelled, Yellow Capped, Gamma Sterile	250	0.094



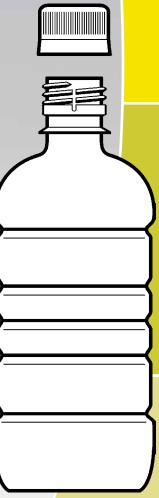
#### 500ml PET Bottle

Dimensions: 180mm high x 68mm wide
Brimful: 511ml
Options: Sodium Thiosulphate dosed
option available (refer page 42)
Features: Closure is tamper evident
to ensure product integrity



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
PET Bottle with Screen	w Closure		
PET18068SU	Unlabelled, White Capped, Gamma Sterile	92	0.094









#### **Other Product Information:**

70ml – refer page 33 120ml – refer page 34 250ml – refer page 36 500ml – refer page 37 500ml PET – refer page 39

#### Water Sampling Containers with Sodium Thiosulphate



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
70ml Polypropylene 0	Container with Polyethylene Cap, Sodium Thiosulphate dosed		
P5744-06	Labelled, Yellow Capped, Sodium Thiosulphate, Gamma Sterile	550	0.094
120ml Polypropylene	Container with Polyethylene Cap, Sodium Thiosulphate dosed		
P10844-06	Labelled, Yellow Capped, Sodium Thiosulphate, Gamma Sterile	300	0.094
250ml Polypropylene	Container with Polyethylene Cap, Sodium Thiosulphate dosed		
P10065-06	Labelled, White Capped, Sodium Thiosulphate, Gamma Sterile	147	0.082
500ml Polystyrene C	ontainer with Polyethylene Cap, Sodium Thiosulphate dosed		
S12590-02	Labelled, Yellow Capped, Sodium Thiosulphate, Gamma Sterile	72	0.09
500ml PET Bottle wit	th Polypropylene Cap, Sodium Thiosulphate dosed		
PET18068-06	Unlabelled, White Capped, Sodium Thiosulphate, Gamma Sterile	92	0.094
PET18068-07	Labelled, White Capped, Sodium Thiosulphate, Gamma Sterile	92	0.094





Proud Corporate Partner



## Our Corporate Partnership with Royal Flying Doctor Service Central Operations

Why partner with the Royal Flying Doctor Service (RFDS)?

Techno Plas is a proud, Australian owned manufacturing company, who's products are likely to be found in every Australian home and major sectors of the Australian medical and laboratory markets.

At Techno Plas we have always felt a strong community responsibility and have a long history of making significant donations to Australian charities. In 2013 we turn 25, to commemorate this significant event, we wanted to make a long-term commitment to an iconic Australian charity, whose values and aspirations matched our own.



We found these qualities in the Royal Flying Doctor Service

- An organization who have a never say never attitude and are where they are today, through world class innovation and a determination to succeed.
- They are directly linked to the medical field the origins of Techno Plas product and still our core sector.
- Provide service and product to all Australians, whether you live in rural
   Australia, need help while traveling in Australia or maybe, by example, need
   transport between capital cities for an organ transplant.
- Have strong "people" values, relationships and commitment to staff, clients and suppliers.
- Are Australian, with a proud history and future.

As with all our relationships, we have made a long term commitment to the RFDS and look forward to providing them on going support for many years ahead and thank all our customers who make this possible.





**Dimensions:** 97mm high x 16mm wide

**Brimful:** 12.5ml **Cap:** 3 start thread

Inner pack: 100 tubes per bag

250 caps per bag

Features: Spoon for sampling
Free-standing tube

#### 10ml Clear Tube with Spoon





#### 30ml White Container with Spoon

**Dimensions:** 80mm high x 27mm wide Brimful: 37.7ml

Cap: 3 Start Thread Inner pack: 50 containers per bag Options: Sterilised option available

Features: Spoon for sampling





**Techno Plas** www.technoplas.com.au **Dimensions:** 57mm high x 44mm wide

**Brimful:** 71ml **Cap:** 3 start thread

Inner pack: Scramble packed loose Features: Spoon for sampling

# 70ml White Container with Spoon



Minimum order quantities may apply

(Actual Size External)



#### 120ml Clear Container with Spoon

**Dimensions:** 108mm high x 44mm wide

Brimful: 134ml

Cap: 3 start thread
Inner pack: Stacked 3 layers of 100
Options: Sterilised option available
Also available in Polypropylene
Features: Spoon for sampling



——————————————————————————————————————

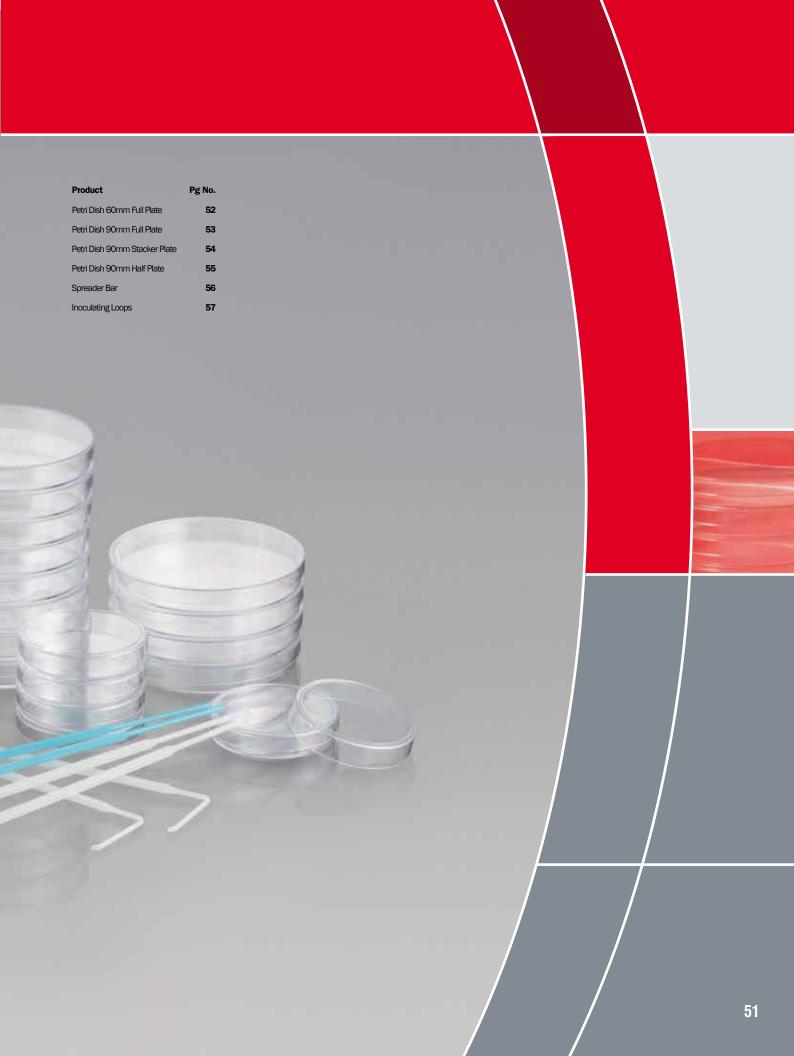
PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Polystyrene Clear Container with Polyethylene Cap with Spoon			
S10844F	Labelled, Brown Capped	300	0.088

Minimum order quantities may apply



-50 ML

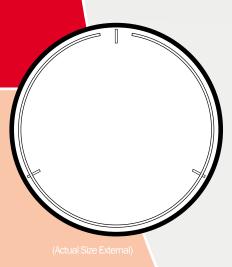




Dimensions: 14mm high x 60mm wide Inner pack: 10 dishes per heat sealed pack Features: Full plate triple vented Complementary Products: Inoculating Loops & Spreader Bars (refer page 56 & 57)

#### 60mm Petri Dish Full Plate





Minimum order	quantities may apply

PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
Petri Dish – Triple Vented Polystyrene			
S6014UV10	Unsterilised	1,000	0.061
S6014S10	Gamma Sterile	1,000	0.061



#### 90mm Petri Dish Full Plate

**Dimensions:** 14mm high x 90mm wide **Inner pack:** 20 dishes per heat sealed pack

**Features:** Full plate triple vented Suitable for use with most automatic plate pouring machines

Complementary Products: Inoculating Loops & Spreader Bars (refer page 56 & 57)



Dimensions: 14mm high x 90mm wide Inner pack: 20 dishes per heat sealed pack Features: Full plate stackable triple vented Designed with stacking ring enabling dishes to be stacked

Complementary Products: Inoculating Loops & Spreader Bars (refer page 56 & 57)

#### 90mm Petri Dish Stacker Plate



#### 90mm Petri Dish Half Plate

Dimensions: 14mm high x 90mm wide
Inner pack: 20 dishes per heat sealed pack
Features: Half plate triple vented
Suitable for use with most

automatic plate pouring machines

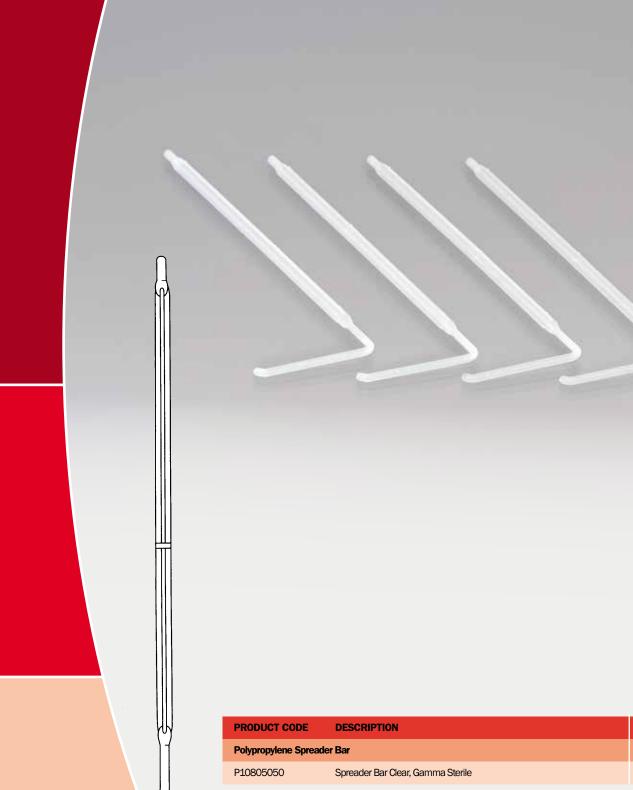
Complementary Products: Inoculating Loops &

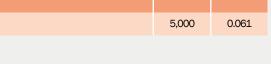
Spreader Bars (refer page 56 & 57)



Inner pack: 500 (20 bags of 25 spreaders)
Features: Smooth rounded spreading surface
Complementary Products: Petri Dishes
(refer pages 52-55)

#### Spreader Bar





Minimum order quantities may apply



CTN QTY

CTN/M3

Inner pack: 1,000 (20 bags of 50 loops)

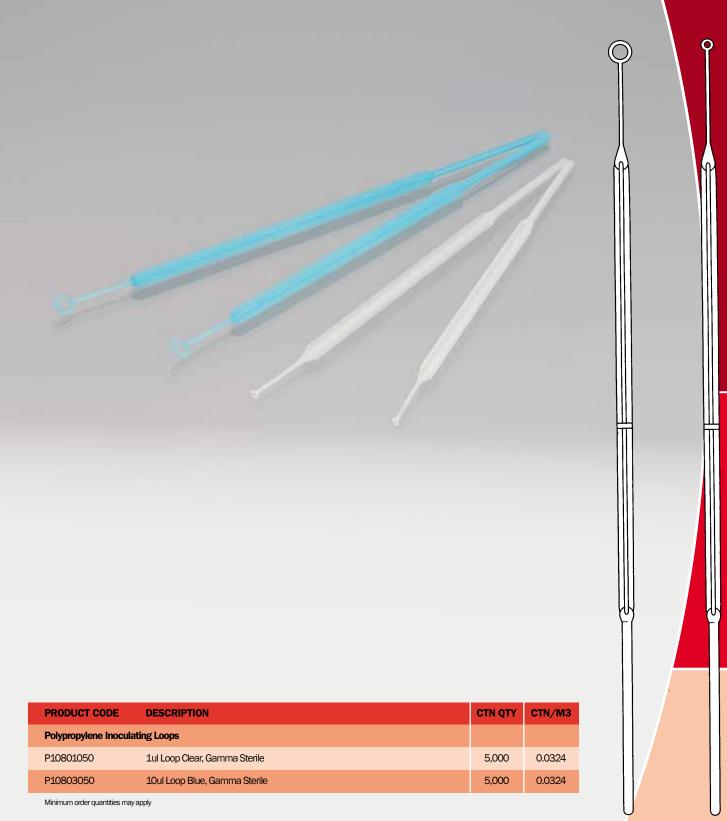
Features: Flexible to facilitate uniform and smooth streaking without damaging the gel surface Rigid enough to enable accurate selection of single colonies

Colour coded for size identification Precalibrated gamma sterile

Complementary Products:

Petri Dishes (refer pages 52-55)

## Inoculating Loops





(Actual Size





Material: Acetal

Inner pack: 8 bags of 500 cassettes
Options: Other colours available on request
Features: Etched writing surface for ease of
sample identification
Surface angle: 30 degrees

#### Tissue Embedding Cassette



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
CASS-01	Yellow	4,000	0.061
CASS-02	White	4,000	0.061
CASS-03	Light Blue	4,000	0.061
CASS-04	Pink	4,000	0.061
CASS-05	Light Green	4,000	0.061
CASS-06	Orange	4,000	0.061
CASS-07	Cream	4,000	0.061
CASS-08	Beige	4,000	0.061
CASS-09	Dark Orange	4,000	0.061
CASS-10	Lilac	4,000	0.061
CASS-11	Red	4,000	0.061
CASS-12	Purple	4,000	0.061
CASS-13	Aqua	4,000	0.061
CASS-14	Strawberry	4,000	0.061



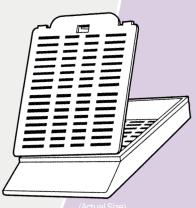
#### Tissue Embedding Cassette with Lid

Inner pack: 10 boxes of 200 cassettes
Options: Other colours available on request
Features: Etched writing surface for
ease of sample identification
Clip on lid that is easily removed
Surface angle: 45 degrees



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
CASLID-01	Cassette with Lid Yellow	2,000	0.068
CASLID-02	Cassette with Lid White	2,000	0.068
CASLID-03	Cassette with Lid Light Blue	2,000	0.068
CASLID-04	Cassette with Lid Pink	2,000	0.068
CASLID-05	Cassette with Lid Light Green	2,000	0.068
CASLID-06	Cassette with Lid Orange	2,000	0.068
CASLID-07	Cassette with Lid Cream	2,000	0.068
CASLID-08	Cassette with Lid Beige	2,000	0.068





Material: Polypropylene
Inner pack: 10 bags of 100 mailers
Options: Personlised logos & colours are
available on request
Features: Hinge style action & 3 Clip Close

#### Slide Mailer



Techno Plas www.technoplas.com.au

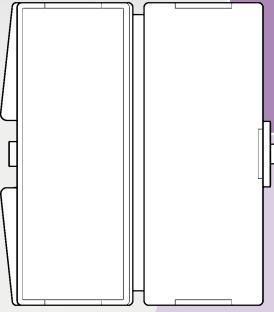
#### Slide Mailer Single Clip

Material: Polypropylene
Inner pack: 10 bags of 100 mailers
Options: Personalised logos & colours are
available on request
Features: Hinge style action & single clip close



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
MAILR1CLP-01	Red Tint	1,000	0.033
MAILR1CLP-03	Blue Tint	1,000	0.033
MAILR1CLP-08	Clear	1,000	0.033







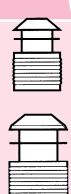


**Inner pack:** 1,000 caps per bag **Options:** Other colours are available on requ

**Features:** Polyethylene finned push cap style **Complementary Products:** Suits a range of our tubes (please refer pages 13, 15, 22 & 24)

### AUSCAP (Finned Push Cap)





 _	_	 
_		 

PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3			
12mm Polyethylene	AUSCAP (Finned Push Cap)					
AUSCAP1201	12mm Natural Cap Only	20,000	0.078			
16mm Polyethylene A	AUSCAP1201 12mm Natural Cap Only  16mm Polyethylene AUSCAP (Finned Push Cap)					
AUSCAP1601	16mm Natural Cap Only	10,000	0.094			



Inner pack: 1,000 caps per bag
Options: Other colours are available on request
Features: 13mm & 16mm suits both Greiner and
BD evacuated tubes.
Complementary Products:
17mm over cap suits our 12ml Round Bottom tube
(please refer page 22)

#### Over Cap



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3			
13mm Polyethylene (	Over Cap					
OC1301	13mm Natural Cap Only	20,000	0.078			
16mm Polyethylene (	16mm Polyethylene Over Cap					
OC1601	16mm Natural Cap Only	20,000	0.094			
17mm Polyethylene (	Over Cap					
OC1701	17mm Red Tint Cap Only	20,000	0.094			







#### Galli Pots



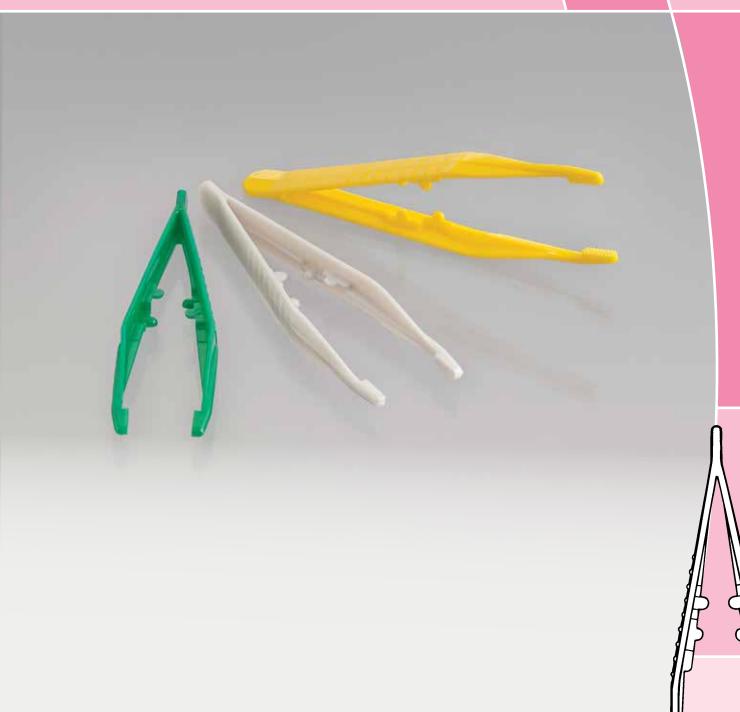
PRODUCT COL	DE DESCRIPTION	CTN QTY	CTN/M3
Polypropylene G	ialli Pot		
P7025	60ml, Clear	2,000	0.078
P7550	150ml, Clear	1,000	0.094



#### Forceps

Options: Other colours are available on request Features: Ideal when handling hazardous materials

Teeth for gripping



PRODUCT CODE	DESCRIPTION	CTN QTY	CTN/M3
PF107	Polypropylene, 107mm, Autoclavable	3,000	0.094
SF107	Polystyrene, 107mm, Green	3,000	0.094
SF107Y	Polystyrene, 107mm, Yellow	3,000	0.094



Inner pack: 10 plates per bag
Features: 96 round 'U' well design
Individual well capacity 0.3ml
Labelled grid for ease of
sample identification

#### 96 Well Micro Test Plate



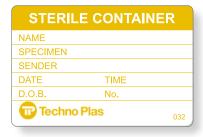


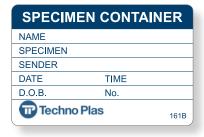


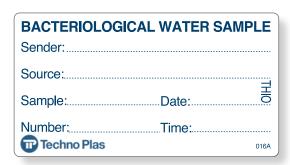
#### Standard Labels













#### **Environmental Management**

At Techno Plas we take our responsibility for the environment and the impact we have on it very seriously.

We undertake independent energy audits, contract annual independent Carbon Footprint assessments and machine power logging to ensure the continual reduction of our environmental impact.

Techno Plas strives to bring the latest technologies from around the world into our factory. Over 50% of our production has been converted to highly energy efficient electric moulding machines reducing power usage by over 30%.

Our future investment focus is to continue to drive the reduction of our Carbon Footprint.

To enhance our energy efficiency, we combine multi cavity tooling upgrades in our capital investment plan enabling us to significantly reduce our kwh electricity consumption, per kg of plastic resin processed.

In addition Techno Plas works closely with our customers to remove unnecessary elements from their products and packaging, creating benefits for the environment and our customers.

We are continually reviewing our packaging and logistics to reduce packaging waste and minimise the freight component of our carbon footprint.

#### Plastic Recycling

Recycling Codes	Plastic	Material Properties
23	PET - Polyethylene Terephthalate	Transparent, high clarity with excellent light permeability. Chemical stability may be suspect. Low permeation gas rate compared to other thermoplastics. Has good barrier to oxygen, carbon dioxide and water vapour.
2	HDPE - High Density Polyethylene	Hard to semi-flexible, strong, tough, resistance to chemicals and moisture, permeability to gas.
4	LDPE - Low Density Polyethylene	Soft, flexible, strong, tough, translucent, scratches easily.
<u>د</u> ئ	PP - Polypropylene	Translucent, durable and impact resistant. Strong, tough, good resistance to heat, chemicals, grease and oil, barrier to moisture. Has good thermal stability to 121 degrees celsius. Suitable for autoclaving and centrifugation.
<b>گ</b> ا	PS - Polystyrene	Transparent, high clarity with excellent light permeability. Thermal stability is good to approximately 70 degrees celsius. Not suitable for high centrifugal forces or autoclaving. Affected by fats and solvents
کے	Other PC - Polycarbonate	Excellent physical properties. Outstanding clarity, physical strength, thermally stable to 138 degrees celsius. Suitable for autoclaving. Chemical stability may be suspect



### **Chemical Resistance Chart**

	LD	PE	HD	PE	P	P	PI	ET	P	С	P	S
Temperature <sup>o</sup> C	20	50	20	50	20	50	20	50	20	50	20	50
Acetaldehyde	G	N	G	R	G	N	-	N	R	N	N	N
Acetic Acid 50%	Е	Е	Е	Ε	Е	Ε	R	N	Е	G	G	G
Acetic Anhydride	N	N	R	R	G	R	-	-	N	N	N	N
Acetone	N	N	N	N	G	G	N	N	N	N	N	N
Acetophenone	N	N	R	R	R	R	-	N	N	Ν	N	N
Allyl Alcohol	Е	Ε	E	E	Е	Е	-	N	G	R	G	R
Aluminum Chloride	Е	Е	Е	Е	Ε	Е	-	Е	Е	G	Ε	Е
Ammonia	Е	Е	Е	Ε	Е	Е	-	N	N	N	G	R
Ammonia 25%	Е	Ε	Ε	Ε	Е	Е	-	N	N	N	Е	G
Ammonium Chloride	Е	Ε	Ε	Ε	Е	Ε	-	N	Е	G	Ε	Е
Amyl Alcohol	Е	Ε	Е	Ε	Е	Е	-	G	G	R	G	R
Aniline	Е	G	E	G	G	R	-	N	R	N	N	N
Aqua Regia	N	N	N	N	N	Ν	-	N	N	N	N	N
Arsenic Acid	G	R	E	G	Е	Ε	-	Е	Е	Е	Ε	Е
Benzaldehyde	Е	G	G	N	Е	G	-	N	R	N	N	N
Benzene	N	N	N	N	N	N	N	N	N	N	N	N
Benzyl Acetate, pure	Е	G	Ε	Ε	Ε	G	-	-	R	N	N	N
Benzyl Alcohol, pure	N	N	R	N	G	G	N	N	N	N	N	N
Boric Acid	Е	Ε	Ε	Ε	Ε	Ε	N	N	Е	Е	Ε	G
Bromoform, pure	N	N	N	N	N	N	-	-	N	N	N	N
Butyl Acetate	G	R	G	R	G	R	-	N	N	N	N	N
Calcium Chloride	Е	Е	Ε	Ε	Ε	Ε	-	G	G	R	Ε	Е
Calcium Hypochlorite, sat.	Е	Е	Е	Е	Е	Е	-	G	R	N	G	R
Carbon Tetrachloride	R	N	G	R	G	R	N	N	N	N	N	N
Caustic Soda 50%	G	G	G	R	Е	Е	N	N	N	N	Ε	G
Chlorine 10% (moist)	G	N	G	R	R	N	-	-	G	R	N	N
Chlorine Water	G	N	G	R	R	N	-	N	G	R	N	N
Chlorobenzene	N	N	N	N	N	N	-	N	N	N	N	N
Chloroform	R	N	R	N	N	N	-	N	N	Ν	N	N
Chromic Acid 10%	Е	Е	E	Ε	Е	Е	G	-	G	R	Ε	G
Chromic Acid 20%	Е	Е	Е	Е	G	G	-	N	G	R	G	G
Chromic Acid 50%	Е	Е	Е	Е	G	R	-	-	R	Ν	R	N
Chromic Sulfuric Acid 96%	N	N	N	N	N	N	Е	N	N	N	N	N
Citric Acid 10%	Е	Е	Е	Е	Е	Е	G	-	Е	Е	E	Е
Copper Sulfate	Е	Е	Е	Е	Е	Е	Е	Е	Е	Е	Е	Е
Decahydronaphtalene	G	R	Е	G	G	R	-	N	N	N	N	N
Dibutyl Phthalate	N	N	N	N	N	N	-	G	G	N	N	N
Diethyl Ether	N	N	R	N	N	N	-	N	N	N	N	N
Ethanol 40%	Е	G	Е	Е	Е	G	G	-	Е	G	G	R



### **Chemical Resistance Chart**

Temperature <sup>∘</sup> C	<b>LD</b> !			_			PE					S
		50	20	50	20	50	20	50	20	50	20	50
Ether	N	N	R	N	N	N	Е	-	N	N	N	N
Ethyl Acetate	Е	Е	Е	Е	Ε	G	N	N	N	N	N	N
Ethyl Alcohol (absolute)	Е	G	Е	Е	Е	G	-	-	Е	G	R	N
Ethyl Alcohol 40%	Е	G	Е	Е	Е	G	G	-	Е	G	G	R
Ethyl Alcohol 96%	Е	G	Е	Е	Е	G	G	G	Е	G	G	R
Ethylene Chloride	G	N	G	R	R	N	N	N	N	N	N	N
Ethylene Glycol	Е	Е	E	Е	Е	Е	Е	E	G	R	Е	Е
Ethylene Oxide 100%	R	R	G	R	R	N	G	R	R	N	N	N
Ethylene Oxide gas	G	G	Е	Е	Е	Ε	G	R	Е	Е	Е	G
EtO, gas	G	G	Е	Е	Ε	Е	G	R	Е	Ε	Ε	G
EtO, pure	R	R	G	R	R	N	G	R	R	N	N	N
Fatty Acids	Е	G	Е	Е	Е	G	G	R	G	R	Е	R
Fluorides	Ε	Ε	Ε	Ε	Ε	Ε	-	-	Ε	Ε	G	G
Fluorine	R	N	G	N	R	N	-	N	G	R	N	N
Formaldehyde 10%	Ε	Ε	Е	Е	Е	Е	-	R	Е	G	R	N
Formaldehyde 40%	Е	G	Е	G	Ε	Ε	-	-	Е	Е	G	G
Formalin 10%	Ε	Ε	Е	Е	Е	Е	-	-	Е	G	R	N
Formalin 40%	Ε	G	Е	Е	Е	G	-	-	Е	G	N	N
Formic Acid 3%	Ε	G	Е	Е	Ε	Е	-	G	Е	G	Ε	Е
Formic Acid 50%	G	G	Е	Е	Ε	G	-	-	G	R	G	R
Formic Acid 85%	G	G	Е	Е	Е	G	-	-	R	N	G	R
Formic Acid, pure	G	G	Е	Е	Ε	G	-	-	R	N	G	R
Fuel Oil	R	N	G	R	Е	G	-	-	Е	G	N	N
Gasoline	R	N	G	G	G	R	-	-	R	R	N	N
Glycerine	Ε	Ε	Е	Е	Е	Ε	-	Е	Е	Е	Ε	Е
Glycerol, pure	Е	Е	E	E	E	Е	-	-	Е	E	Е	E
Hexane	N	N	G	R	G	R	Е	N	R	N	N	N
Hydrobromic Acid 69%	E _	E _	E	G	E _	G	-	-	G	R	R	R
Hydrochloric Acid 20%	E	E	E	E	E	E	E	G	G	R	E	E
Hydrochloric Acid 35%	E	E	E	E	E	G	G	-	R	N	E	E
Hydrochloric Acid 5%	E	E	E	E	E	E	G	-	E	E	E	E
Hydrofluoric Acid 48%	E	E E	E E	E E	E E	E	- G	N	N E	N	N E	N
Hydrogen Peroxide 3%  Hydrogen Peroxide 30%	E E	G	E	E	E	G G	G E	- G	E	E E	E	G G
Hydrogen Peroxide 30%  Hydrogen Peroxide 90%	E	G N	E	E	E	G R	G	- -	E	E	E	G
lodine Crystals	N	N	N	N E	E	E	- -		G	N	G	R
Isopropanol 100%	E	E	E	E E	E	E		-	E	E E	E	G
Isopropalioi 100%	G	R	E	G	G	R		-	N	N	N	N
Isopropyl Alcohol 100%	E	E	E	E	E	E		-	E	E	E	G
Isopropyi Aleonor 100%	_	_	_	_	-	_			_	_	_	J



## Cont....

	LD	PE	HD	PE	F	P	P	ET	P	C	F	S
Temperature °C	20	50	20	50	20	50	20	50	20	50	20	50
Isopropyl Benzene, pure	R	N	R	N	R	N	-	-	N	N	N	N
Isopropyl Ether, pure	N	N	R	N	N	N	-	-	N	N	N	N
Jet Fuel	R	N	R	N	R	N	-	-	G	N	G	R
Kerosene	R	N	R	N	R	N	G	-	Е	-	N	N
Lacquer Thinner	N	N	R	N	R	N	N	N	N	N	N	N
Lactic Acid 85%	Ε	Е	Ε	Е	Е	G	-	-	Ε	G	G	G
Lead Acetate	Ε	Е	Ε	Е	Е	Е	-	N	Ε	Е	Е	Е
Magnesium Chloride	Ε	Е	Е	Е	Е	Е	-	G	Е	Е	Ε	E
Mercuric Chloride	Ε	Е	Ε	Е	Е	Е	N	N	Ε	Е	G	R
Mercury	Е	Ε	Ε	Е	Ε	Е	-	R	N	N	Е	Е
Methanol 100%	Е	Е	Ε	Е	Е	Е	G	-	G	R	R	N
Methyl Acetate	R	N	R	R	G	R	-	-	N	N	N	N
Methyl Alcohol	Ε	Ε	Ε	Ε	Ε	E	G	G	G	R	R	N
Methyl Alcohol 100%	Ε	Ε	Ε	Ε	Ε	E	G	-	G	R	R	N
Methyl Alcohol, pure	Ε	G	Ε	Е	Ε	Е	G	-	G	R	G	R
Methyl Ethyl Ketone, pure	N	N	N	N	Е	G	G	-	N	N	N	N
Methyl Isobutyl Ketone, pure	N	N	N	N	G	R	N	N	N	N	N	N
Methyl Propyl Ketone, pure	N	N	R	N	G	R	N	N	N	N	N	N
Methylene Chloride	R	N	R	N	R	N	N	N	N	N	N	N
Methyl-t-Butyl Ether, pure	N	N	R	N	R	N	N	N	N	N	N	N
Mineral Oil	G	N	Е	Е	Ε	Е	N	N	Ε	G	Е	Е
Mineral Spirits	R	N	R	N	R	N	G	-	R	R	R	R
Nitric Acid 20%	Ε	G	G	R	R	R	Ε	G	G	R	R	N
Nitric Acid 50%	G	R	R	N	R	N	G	-	G	R	R	N
Nitric Acid 70%	R	N	R	N	N	N	N	N	G	N	N	N
n-Octane, pure	E	E	Е	Е	Е	E	-	-	G	R	N	N
Oxalic Acid 10%	E	Е	Е	E	Е	E	-	R	Е	E	Е	Е
Perchloroethylene	N	N	N	N	N	N	-	R -	N	N -	N	N
Petroleum	N	N	N	N	N	N	-	R	R	R	N	N
Phenol 100%	N	N	N	N	N	N	N	N	N	N	N	N
Phenol, crystal	R	N	G	R	G	N	N	N	N	N	N	N
Phenol, liquid	N	N	N	N	N	N	N	N	N	N	N	N
Phosphoric Acid 85%	E	E	E	E	E	G	-	N	E	G	E	G
Picric Acid, pure	N	N	N	N	N	N	-	-	N	N	G	R
Potassium Chloride	E	E	E	E	E	E	-	R	E	E	E	E
Potassium Hydroxide 30%	E	E	E	E	E	E	-	N	N	N	G	G
Propaga das	E	E	E E	E	E	E N	-	R	E	E	G	R
Propane, gas	N	N		E	N		-	-	R	N	N	N
Proprionic Acid, pure	R	N	E	R	Е	G	•	-	N	N	G	N



### Chemical Resistance Chart

	LD	PE	HD	PE	Р	P	PI	ET	P	С	Р	s
Temperature °C	20	50	20	50	20	50	20	50	20	50	20	50
Propylene Oxide, pure	Е	G	Е	Е	Е	G	-	-	G	R	N	N
Pyridine	N	N	N	N	N	N	-	N	N	N	N	N
Resorcinol, saturated	Ε	Е	Ε	Ε	Е	Е	-	-	G	R	G	R
Silicone Oil, pure	Е	G	Е	Е	Е	Е	N	N	Е	Е	Е	G
Silver Acetate	Е	Ε	Ε	Ε	Е	Е	-	-	Е	G	G	G
Silver Nitrate	Ε	G	Ε	Ε	Е	G	-	R	Е	Е	G	R
Sodium Acetate, pure	Ε	Ε	E	Ε	Е	Е	-	-	Е	G	Ε	E
Sodium Carbonate	Ε	Ε	Ε	Ε	Ε	Е	Ε	E	G	R	Ε	G
Sodium Dichromate	Е	Ε	Е	E	Е	Е	-	E	Е	Е	Ε	E
Sodium Hydroxide 10%	G	G	G	R	Е	Е	Ε	R	N	N	Е	G
Sodium Hypochlorite 15%	Ε	R	E	G	R	N	G	-	G	R	Ε	G
Sulfur Dioxide, pure	N	Ν	R	Ν	Е	Е	-	-	G	Ν	N	N
Sulfur Salts, pure	R	Ν	G	R	R	N	-	-	R	Ν	N	N
Sulfuric Acid 30%	Ε	Ε	E	Ε	G	G	G	G	G	R	G	N
Sulfuric Acid 96%	G	G	R	N	R	N	N	N	N	N	R	R
Sulfuric Acid, concentrated	G	G	R	N	N	N	N	N	N	N	N	N
Tartaric Acid, pure	Е	Е	Е	Е	Е	Е	-	-	Е	G	Е	G
TCA, pure	R	N	R	N	G	R	-	-	R	N	R	N
Tetrahydrofuran	R	N	G	R	G	R	-	N	N	N	N	N
THF, pure	R	N	R	N	G	R	-	-	N	N	N	N
Thionyl Chloride, pure	N	N	N	N	N	N	-	-	N	N	N	N
Tincture of Lodine	Е	G	E	G	G	G	-	R	N	N	G	R
Toluene	R	N	R	N	R	N	R	N	R	N	N	N
Tributyl Citrate, pure	G	R	Е	G	G	R	-	-	N	N	N	N
Trichloroacetic Acid, pure	R	Ν	R	N	G	R	-	-	R	N	R	N
Trichloroethane, pure	N	Ν	N	N	N	N	-	-	N	N	N	N
Trichloroethylene	N	Ν	R	N	N	N	-	R	N	N	N	N
Triethylene Glycol, pure	Ε	Ε	Е	Е	Е	Е	-	-	Е	G	Ε	G
Tripropylene Glycol, pure	Е	Ε	Е	Е	Е	Е	-	-	Е	G	Ε	Е
Trisodium Phosphate	Ε	Ε	Ε	Е	Е	Ε	-	R	R	N	Ε	Е
Turpentine	R	N	G	G	G	R	Е	-	R	N	N	N
Undecyl Alcohol, pure	Е	R	Е	G	Е	G	-	-	G	R	G	G
Urea	Е	Е	Е	Е	Е	Е	-	G	G	R	Е	G
Vinylidene Chloride, pure	N	N	R	N	N	N	-	-	N	N	N	N
Xylene	G	N	R	N	R	N	-	G	N	N	N	N
Zinc Chloride 10%	Ε	Ε	Ε	Ε	Ε	Ε	-	G	Ε	Ε	G	R
Zinc Stearate, pure	Е	Е	Е	E	Е	Е	-	-	Е	Е	Е	Е
Zinc Sulfate	Е	Е	Е	E	Е	Е	-	G	Е	Е	Е	Е



## Physical Properties & Chemical Resistance Summary

Material Physical Properties	HDPE	LDPE	PC	PET	PP	PS	HIPS
Min Temp °C	-40	-40	-100	-15	0	-10	-10
Max Temp °C	80	75	143	70	121	80	90
Clarity	0	0	С	С	TL	С	0
Microwavability	NO	YES	Marginal*	YES	YES	NO	NO
Autoclavable	NO	NO	YES	NO	YES**	NO	NO
Gas Sterilisation	YES	YES	YES	YES	YES	YES	YES
Dry Heat Sterilisation	NO	NO	NO	NO	NO	NO	NO
Gamma Irradiation Sterilisation	YES	YES	YES	YES	YES	YES	YES
Specific Gravity	0.95	0.92	1.2	1.27	0.9	1.05	-
Flexibility	R	F	R	R	R	R	R
Gas permeability N2	Low	Low	Very Low	Low	Low	Very Low	-
Gas permeability 02	High	High	Very Low	Low	High	Low	-
Gas permeability CO2	Very High	Very High	Low	Low	Very High	High	-
Water Absorption Rate %	<0.01	<0.01	0.35	0.15	<0.02	0.05	-
Suitable for Food & Bev use	YES	YES	YES	YES	YES	YES	YES
Burning Rate	Slow	Slow	Self Extinguishing	Slow	Slow	Slow	Slow

<sup>\*</sup> Plastic absorbs heat \*\* Repeated autoclaving will deteriorate product

Groups of Substances	HDPE	LDPE	PC	PET	PP	PS
Acids - Dilute or weak	Е	E	Е	Е	Е	Е
Acids - Strong & Concentrated ***	Е	E	N	N	Е	R
Alcohols	E	E	G	E	Е	Е
Aldehydes	G	G	R	N	G	N
Bases	Е	E	N	N	G	E
Chloroform	N	N	N	N	N	N
Esters	G	G	N	N	G	N
Formaldehyde	Е	E	G	N	Е	N
Hydrocarbons - aliphatic	G	R	R	E	G	N
Hydrocarbons - aromatic	G	R	N	N	R	N
Hydrocarbons - halogenated	R	N	N	N	R	N
Ketones	G	G	N	N	G	N
Oxidising Agents - Strong	R	R	N	N	N	N

 $<sup>{\</sup>tt ***} \ {\tt Except} \ {\tt for oxidising acids}. \ {\tt See 'Oxidising Agents-Strong' for oxidising acids}.$ 

#### Material Abbreviations

HDPE High Density Polyethylene
LDPE Low Density Polyethylene
PC Polycarbonate
PET Polyethylene Terephthalate
PP Polypropylene
PS Polystyrene
HIPS High Impact Polystyrene

#### General Abbreviations

C Clear
O Opaque
TL Translucent
F Flexible
R Rigid

Plastics start to become brittle at temperatures below 0°C. The suitability of products intended for use in these temperature ranges should be tested prior to use. The information provided serves as a guideline only and is not confirmation of warranted quality.



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