2015
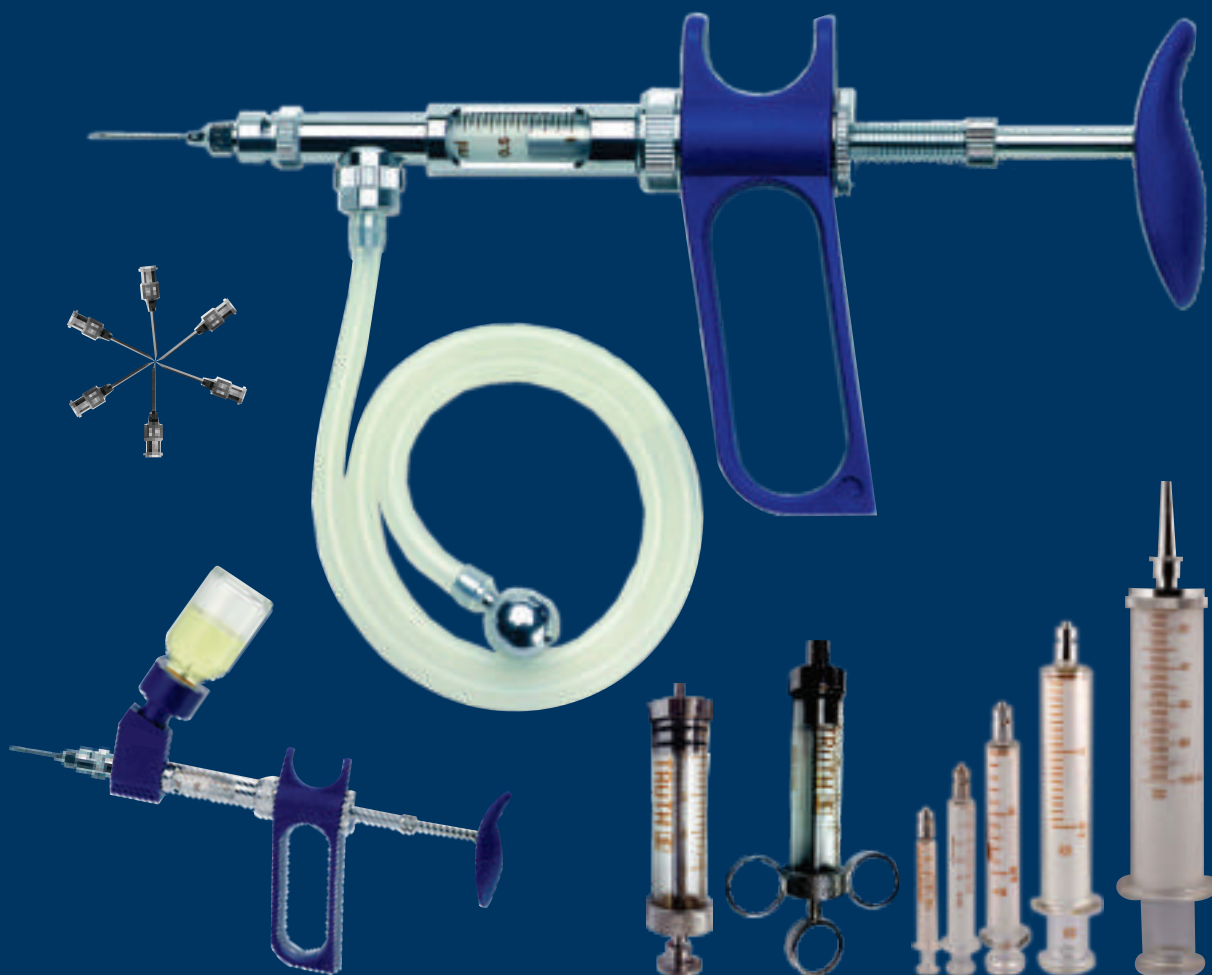
上 **TOP SYRINGE**
MANUFACTURING COMPANY PRIVATE LIMITED

Veterinary Catalog

Since 1964 the Shandilya Group has been manufacturing glass syringes for medical & laboratory applications and a number of scientific products based on glass tube engineering in its first plant, Top Syringe Mfg Co, at Mumbai in technical collaboration with **TOP** Japan. From there the group has developed a number of products in glass tube engineering including chromatography consumables, test tubes & sterile glass prefillable syringes. By regularly exporting medical & industrial syringes in countries round the world including US, the group confirms its commitment to excellence in products offered.

Index

Description

The DaVinci Self-Refilling Syringes with spring-loaded plunger and three-way valve system are designed for serial precision injections. Simple conception, perfect balance and ergonomic design provide for ease of use, operator comfort and fatigue-free fieldwork.

This self-refilling syringe possesses a spring-loaded plunger and a 3 -way valve and is intended for mass vaccination of poultry, swine, cattle, fish & small laboratory animals. The Syringe allows trouble free injection of volumes as small as 0.05 ml, with various water or oil based vaccines or difficult heavy iron solutions with an excellent reproducibility. Good plunger tightness without O-ring, easy volume reading on the interchangeable glass barrel and adjustment mechanism with a locking nut are additional key features of the self refilling syringe.

The DaVinci self refilling syringe is most effective when worked on the field during the work with the animal

An exceptional Price / Quality ratio makes the DaVinci Syringes all the more your automatic choice for mass vaccination programs etc.

1) Comfortable grip : The DaVinci Self Refilling Syringe fits any hand in a comfortable way.

2) Simple and natural movements : The activation of the DaVinci Self Refilling Syringe is performed with limited effort for efficient work even during long dispensing series. This ensures complete user comfort.

3) Fast and reliable volume selection : Volume is set within seconds. It will not vary while activating the syringe, thanks to the safety locking nut on the micro metric screw. Dose-by-dose reproducibility is excellent

4) Easy changing of dose without changing any piston

5) Plunger tightness without O ring : The Smooth plunger travel and tightness is achieved through the high-precision stainless steel plunger and grounded glass barrel. No O-ring to mess with or replace ever.

6) Low maintenance : The DaVinci Syringes are made of only 6 main parts, which are easy to disassemble & reassemble. The fast access to all elements allows rapid & efficient cleaning. Spare parts are available at reasonable cost

7) Clear visibility of Dose : The DaVinci Syringe window & Glass Barrels allow you to have a clear visibility of the Dose being administered.

8) Sterilization : Sterilization possible while fully assembled in boiling water or in autoclave at 121°C (250°F).

9) Highly accurate : All Glass Barrels are made as per the specificatiosn laid down for glass syringes as mentioned in ISO 595/1 & 595/2

10) Long life : The DaVinci self refilling syringe can last over a number of years if taken care of properly and serviced carefully from time to time

11) Glass barrel most inert material : Glass is the best solution for vaccine, drug and feed delivery for poultry and other animals

12) Robust construction : Rugged assembly ensures optimal output even on the field during use with animals

13) No need for servicing with silicone oil. Same effortless movement is ensured every time.

14) High quality construction : All components are made of superior quality raw materials which are thoroughly checked by our qualified QC department prior to produc--tion. Each component is made from Superior Quality material including glass, plastics, metals etc. These are thoroughly checked during each stage of manufacturing for quality & specifications.

15) Ready to use : All DaVinci self refilling syringes are supplied ready to use. There is no assembling or preparation required.

16) Positive dose locking mechanism : Ensures efficient delivery of dose every single time.

17) Used from small to large animals
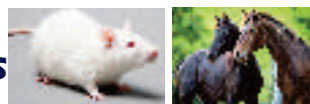
18) Compatible with highly viscous liquids : Special Springs are offered for the DaVinci Self refilling syringe to work not only with aqueous solutions but also oily, viscous or heavy iron solutions including a variety of suspensions.

19) Glass protection : Interchangeable glass barrel is protected by a PVC sleeve (not autoclavable) to prevent breakage

20) Packed individually in a convenient display box

21) Economical & Low replacement cost : Only the glass part will have to be changed instead of buying a new device. Truly an unbeatable Price to Quality Ratio Product.

22) Light weight and easy to use The DaVinci ensures virtually fatigue free working when used during mass vaccination

23) Sturdy liquid paths made of non-reactive & inert materials i.e. glass, brass, Stainless Steel etc

24) Feed Tube : made of inert silicone & not PVC or any other reactive plastics

25) International quality : Luer Lock specifications meet ISO 594/1 & ISO 594/2. All Parts are made and assembled by ISO 9001 & ISO 13485 certified company

Blue parts on all models made of polyamid alloy

A. Outlet valve with Luer Lock Nozzel

B. Reliable Intake Valve

C. Medical Quality Silicone Tubing

D. Chrome Plated Metal Sinker

E. All Time Access Finger Rest

F. Soft Shaped Hand Crutch

G. Optimal Balance Handle

H. Safety Locking Nut

I. Chrome Plated Metal Components

J. Interchangeable Grounded Glass Barrel
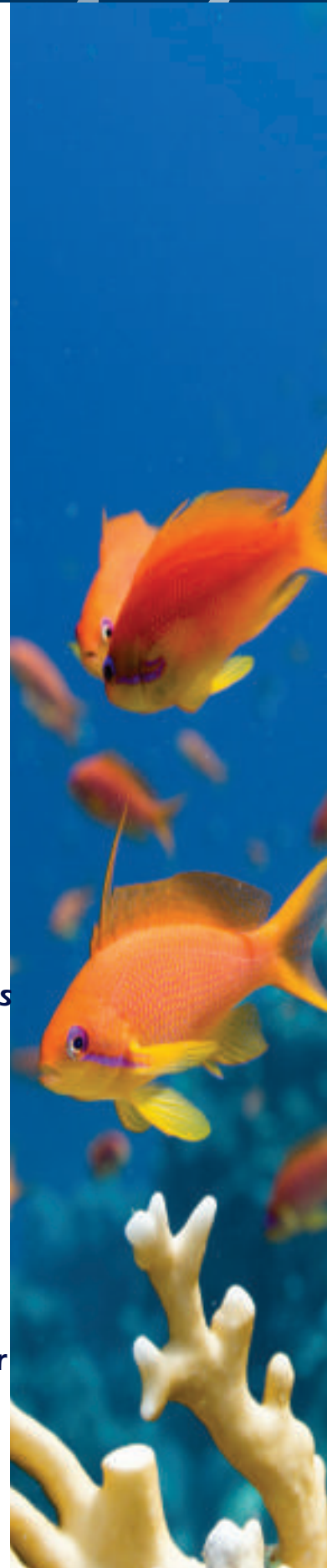
DaVinci Feed Tube Set - 70 Series

The DaVinci Superior is an excellent solution for accurate delivery of repetitive fixed doses without any errors during mass treatment. This self refilling syringe is most effective when worked on the field with the animals. It can be used from Small to Large Animals. The Comfortable Grip and ergonomic design ensure fatigue free working during poultry injections.

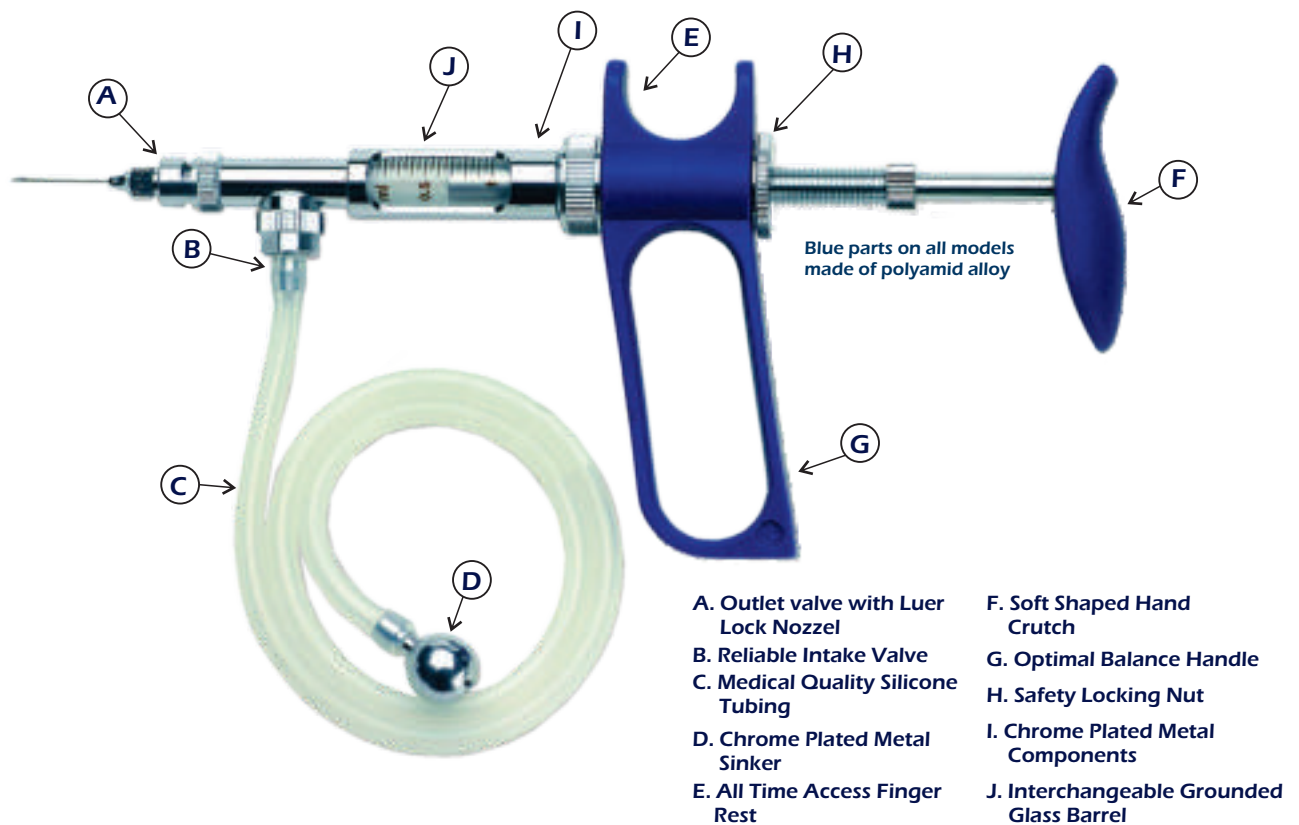The fast and reliable volume selection ensures highly accurate dosing. The robust construction makes it easily autoclavable.

This product is for use with feed tube. This model comes with accessories that facilities repetitive dosing from bottles or jars using feed tubes, sinker valve, feed cannula etc. The sinker valve ensures it reaches and stays at the bottom of the jar during the time of usage. This would ensure that the entire liquid in the jar would be used making it highly effective.

The model is compatible for use with aqueous, oily, viscous or heavy iron solutions as well as a variety of suspensions using special viscous spring

The long life and durability of the product makes it the most economical model available. Reusable needles included in select models.

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Specific Advantages

➡ Easy changing of dose without changing any piston

➡ Clear visibility of the Dose

➡ Long lasting since replacement cost is least as only barrel needs to be changed and not entire device

➡ Plunger Tightness without O ring

➡ High Quality Construction

➡ No need of servicing with silicone oil same effortless movement is ensured every time

➡ Feed tube made of Silicone & not PVC

➡ Best / Quality ratio

Parts in contact with liquid	Material
Feed tubing	Silicone
Glass barrel	Borosilicate glass
Washer, barrel	FPM
Plunger	Stainless steel
Valve system	Ni-Cr Brass
Washer, valve	PTFE
Spring and ball valve	Stainless steel
Sinker and feed cannula	Ni-Cr Brass

DaVinci Feed Tube Set

Catalog No	Capacity	Description	Graduation
70-02-23-29	0.5ml	0.5ml, DaVinci Feed Tube Set	0.05ml
70-04-23-29	1ml	1ml, DaVinci Feed Tube Set	0.05ml
70-05-23-29	2ml	2ml, DaVinci Feed Tube Set	0.1ml
70-08-23-29	5ml	5ml, DaVinci Feed Tube Set	0.25ml
70-09-23-29	10ml	10ml, DaVinci Feed Tube Set	1ml
70-10-23-29	20ml	20ml, DaVinci Feed Tube Set	2ml

Packing contains : Supply includes Metal body, Luer lock nozzle, Plunger, Glass barrel, Integrated valve system, Feed Tube, Sinker valve, Feed cannula, Vent cannula, Spare kit (Springs, Valve balls & Washers), Detailed operating manual, and Viscous solution spring (only 2ml & 5ml)

DaVinci Feed Tube Set - Utility

Best Suited for Poultry & Mass Vaccination Programs

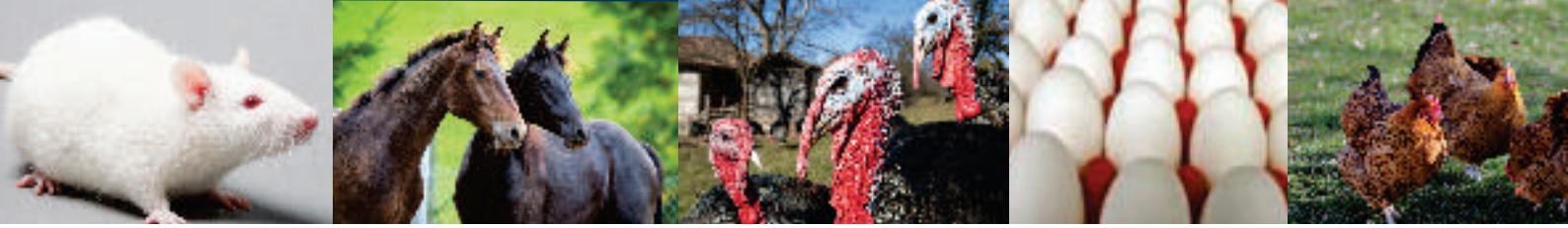| Catalog No	Capacity	Description	Graduation
70-02-22-29	0.5ml	0.5ml, DaVinci Feed Tube Set-Utility	0.05ml

Packing contains : Supply includes Metal body, Luer lock nozzle, Plunger, Glass barrel, Integrated valve system, Feed Tube, Feed Cannula, Spare kit (Springs, Valve balls & Washers), Detailed Operating Manual, and reusable needles

DaVinci Vial

Blue parts on all models made of polyamid alloy
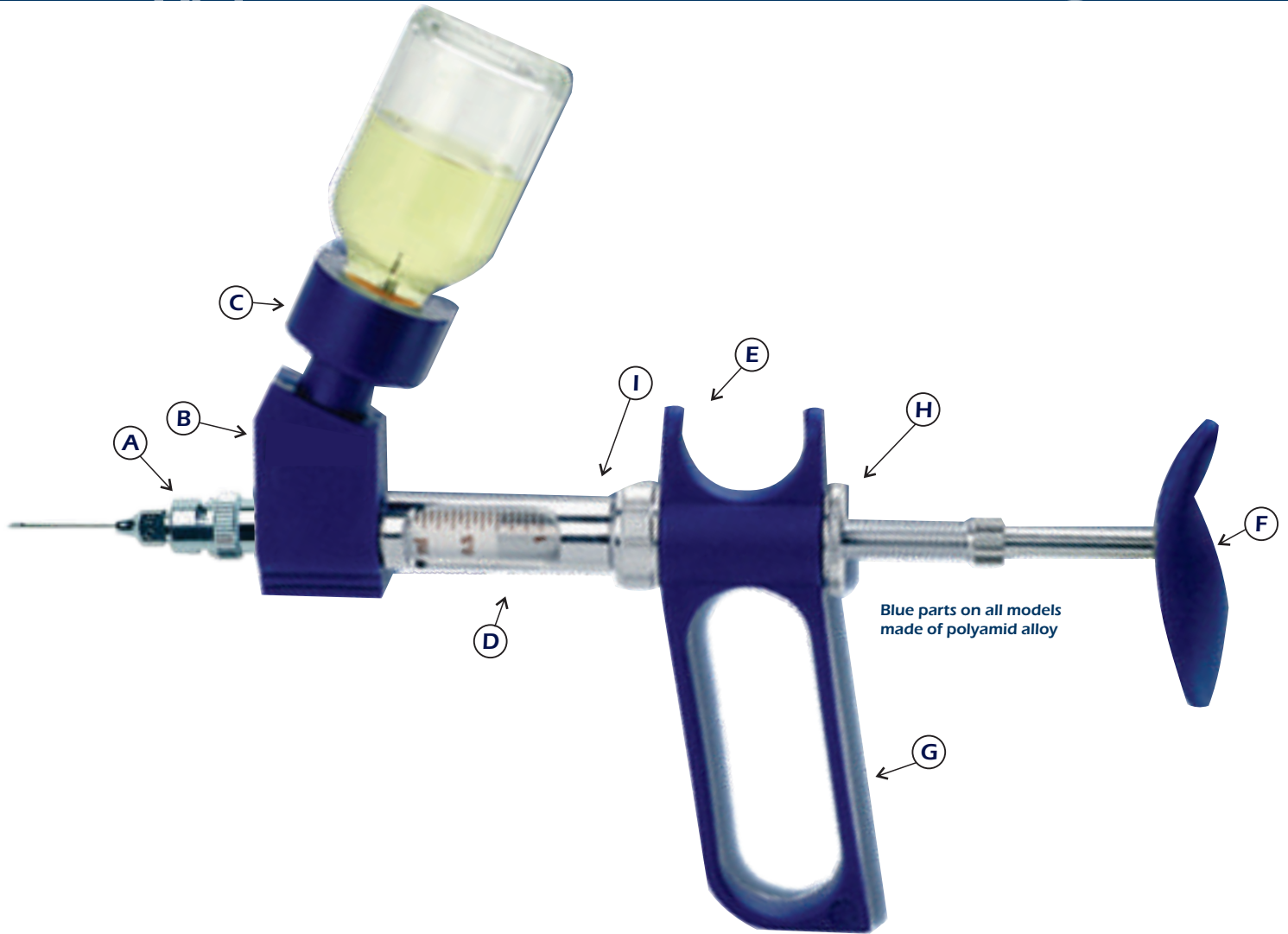
A. Integrated Vent Needle

B. Detachable Slant Standard Vial Holder Fitting

C. Safety Lock Holds Vial Firmly

D. Interchangeable Grounded Glass Barrel

E. All Time Access Finger Rest

F. Soft Shaped Hand-Crutch

G. Optimal Balance Handle

H. Safety Locking Nut

I. Chrome Plated Metal Components

DaVinci Vial Holder Set 71 Series

The DaVinci Vial Self Refilling syringe is another liquid feeding model. Consisting of a vial holder, integrated vented needle, locking ring and bottle lock, this 'Vial Holder' model is used to draw liquid out of the original liquid manufacturer's vial. The Vial Holder body is at an optimal angle. The locking ring on the vial ensure the vial does not get dis engaged from the Vial Holder body. The integrated vented needle ensure smooth operation of the dosing. The detachable slant Vial Holder Body fits standard vials. The safety locking nut ensure reliable and highly accurate repetitive pre-fixed dose dispensing

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Specific Advantages

➡ Easy changing of dose without changing any piston

➡ Clear visibility of the Dose

➡ Long lasting since replacement cost is least as only barrel needs to be changed and not entire device

➡ Plunger Tightness without O ring

➡ High Quality Construction

➡ No need of servicing with silicone oil same effortless movement is ensured every time

➡ Feed tube made of Silicone & not PVC

DaVinci Vial Holder Set

Catalog No	Capacity	Description	Graduation
71-02-23-30	0.5ml	0.5ml, DaVinci Vial Holder Set	0.05ml
71-04-23-30	1ml	1ml, DaVinci Vial Holder Set	0.05ml
71-05-23-30	2ml	2ml, DaVinci Vial Holder Set	0.1ml
71-08-23-30	5ml	5ml, DaVinci Vial Holder Set	0.25ml
71-09-23-30	10ml	10ml, DaVinci Vial Holder Set	1ml

Packing contains : Supply includes Metal body, Luer lock nozzle, Plunger, Glass barrel, Integrated valve system, Vial holder set, Vials, Locking ring, Spare kit (Springs, Valve balls & Washers), Detailed operating manual, and Viscous solution spring(only 2ml & 5ml)

Parts in contact with liquid	Material
Feed tubing	Silicone
Glass barrel	Borosilicate glass
Washer, barrel	FPM
Plunger	Stainless steel
Valve system	Ni-Cr Brass
Washer, valve	PTFE
Spring and ball valve	Stainless steel
Sinker and feed cannula	Ni-Cr Brass

DaVinci Glass Barrel

Glass Barrel, Grounded, Interchangeable

Capacity	Catalog No.	Pack Size
0.5ml	75-02-00-50	Each
1ml	75-04-00-50	Each
2ml	75-05-00-50	Each
5ml	75-08-00-50	Each
10ml	75-09-00-50	Each
20ml	75-10-00-50	Each

DaVici self-refilling syringes spare graduated barrels are available
The Barrels and plungers are interchangeable
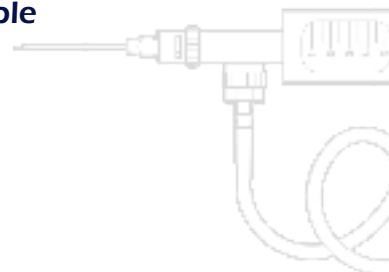
DaVinci Spare Kit

Spare bag includes Springs, Balls, Washer for Valve & Barrel

Capacity	Catalog No.	Pack Size
0.5ml	75-02-00-45	Each
1ml	75-04-00-45	Each
2ml	75-05-00-45	Each
5ml	75-08-00-45	Each
10ml	75-09-00-45	Each
20ml	75-10-00-45	Each

Spares for the valve assembly are supplied in a dedicated bag with each DaVinci self-refilling syringe. Each bag includes: 2 Springs, 2 Balls, 2 Washers for valve, & 2 Barrel washer

DaVinci Feed Tubes

Capacity	Catalog No.	Pack Size
0.5-10ml	75-45-00-46	1mtr
0.5-10ml	75-45-00-47	3 x 1mtr
0.5-10ml	75-45-00-48	10mtr
20ml	75-45-00-49	1mtr

The DaVinci syringe feed tubing are made of long lasting medical quality silicone. They are available in various length, cut or uncut. These tubes are autoclavable

DaVinci Cannulas

Short Vent Cannulas

Capacity	Catalog No.	Pack Size
0.5-5ml	75-38-44-35	Each
10ml	75-31-44-35	Each

Long feed Cannulas

Capacity	Catalog No.	Pack Size
0.5-10ml	75-31-49-35	Each

As supplied with DaVinci Feed tube model syringes. The vent cannula are introduced into the stopper to allow air flow into the vial. When connected to syringe tubing, feed cannula provides for liquid aspiration from a bottle.
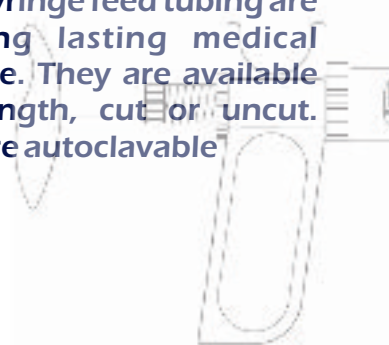
DaVinci Drenchers

The Davinci drenchers are intended for safe animal nose and mouth feeding. The drenchers have straight or bent shapes with rounded ends. The Luer Lock fixture provide for tight fitting on to the syringe nozzle

Catalog No.	Size	Description	Pack Size
65-38-46-37	18G x 2"	Straight	3
65-36-48-37	16G x 4"	Straight	2
65-34-47-37	14G x 3"	Straight	3
65-38-46-38	18G x 2"	Curved	3
65-36-48-38	16G x 4"	Curved	2
65-34-47-38	14G x 3"	Curved	3

DaVinci Protection Sleeve

The DaVinci Protection Sleeve can be installed in a second. The sleeve provide for safety in reducing glass barrel breakage. Sleeve is not autoclavable.

Catalog No.	Capacity	Pack Size
75-02-00-51	0.5ml	2
75-04-00-51	1ml	2
75-05-00-51	2ml	2
75-08-00-51	5ml	2
75-09-00-51	10ml	2
75-10-00-51	20ml	2

DaVinci Cleaning Brush

Cylinder and tube brushes with tufted end for glass barrel and tube cleaning.

Catalog No.	Capacity	Pack Size
75-45-00-53	0.5ml to 1ml	2
75-45-00-54	1ml to 5ml	2
75-45-00-56	5ml to 20ml	2

DaVinci Syringe Stand*

The DaVinci syringe stand holds anyone DaVinci syringe in ready to hold & use position They are also autoclavable

Catalog No.	Description	Pack Size
75-45-00-52	DaVinci Syringe Stand	Each

* Available from December 2014 onwards

DaVinci Viscous Spring

Catalog No.	Capacity	Pack Size
75-05-00-55	2ml	2
75-08-00-55	5ml	2

DaVinci Needles

Hatcheries Needles
(Standard Beveled)

Veterinary (Hatchery) needles with standard luer lock hub, & standard beveled cannula.

Catalog No.	Size	Pack Size
65-38-38-35	18G x 1/2"	12
65-39-38-35	19G x 1/2"	12
65-40-38-35	20G x 1/2"	12
65-41-38-35	21G x 1/2"	12
65-42-38-35	22G x 1/2"	12
65-43-38-35	23G x 1/2"	12

The DaVinci Needles are manufactured using best quality cold rolled stainless steel strips with the latest technology. Needle Materials used are of high quality S.S. surgical grade 304 that meets ISO 9629 size specifications and meets applicable elemental content of ASTM F-899-84 standards. They are ground and electro polished on high precision machines. They are assembled with strict Quality Controls in order to enable superior sharpness This ensures injection administrations are with minimal pain.

Animal Feeding / Drenching & Dosing Needles
Rounded / Balled Tip
Straight or Curved

Catalog No.	Size	Description	Pack Size
65-38-46-37	18G x 2"	Straight	3
65-36-48-37	16G x 4"	Straight	2
65-34-47-37	14G x 3"	Straight	3
65-38-46-38	18G x 2"	Curved	3
65-36-48-38	16G x 4"	Curved	2
65-34-47-38	14G x 3"	Curved	3
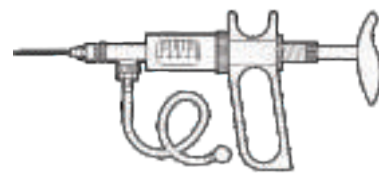
Reusable Veterinary Needles / Vaccination Needles
(Standard Beveled)

Catalog No.	Size	Pack Size	Catalog No.	Size	Pack Size
65-31-44-35	11G x 1 5/8"	12	65-38-37-35	18G x 3/8"	12
65-31-49-35	11G x 7 1/2"	12	65-38-39-35	18G x 5/8"	12
65-34-42-35	14G x 1 1/8"	12	65-38-40-35	18G x 3/4"	12
65-34-44-35	14G x 1 5/8"	12	65-38-43-35	18G x 1 3/8"	12
65-34-46-35	14G x 2"	12	65-38-45-35	18G x 1 1/2"	12
65-35-37-35	15G x 3/8"	12	65-38-46-35	18G x 2"	12
65-35-40-35	15G x 3/4"	12	65-39-37-35	19G x 3/8"	12
65-35-42-35	15G x 1 1/8"	12	65-39-39-35	19G x 5/8"	12
65-36-37-35	16G x 3/8"	12	65-39-40-35	19G x 3/4"	12
65-36-40-35	16G x 3/4"	12	65-39-42-35	19G x 1 1/8"	12
65-36-41-35	16G x 1"	12	65-41-37-35	21G x 3/8"	12
65-36-42-35	16G x 1 1/8"	12	65-41-40-35	21G x 3/4"	12
65-36-48-35	16G x 4"	12	65-41-42-35	21G x 1 1/8"	12
65-37-37-35	17G x 3/8"	12	65-41-44-35	21G x 1 5/8"	12
65-37-40-35	17G x 3/4"	12	65-42-35-35	22G x 1/6"	12
65-37-43-35	17G x 1 3/8"	12	65-42-36-35	22G x 2/8"	12

Also Available Record Needles

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TEST-IT® Test Tube 3.3

TEST-IT® Brand glass test tubes are Grade I, made from borosilicate hard glass, 33 expansion, with Rim, without Rim, with uniform thickness for better heat transfer & chemical resistance.

Size	Catalog No With Rim	Catalog No Without Rim	Pack Size
10 x 75	6110075	6210075	100pcs
12 x 75	6112075	6212075	100pcs
12 x 100	6112100	6212100	100pcs
15 x 125	6115125	6215125	100pcs
15 x 150	6115150	6215150	100pcs
18 x 150	6118150	6218150	100pcs
25 x 100	6125100	6225100	100pcs
25 x 150	6125150	6225150	100pcs
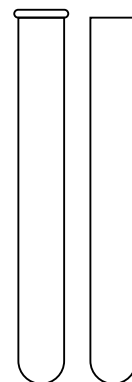
Haemometer (SAHLI type)

The Shanadilya Brand haemometer housing is rsistant to most laboratory reagents. It is also very convenient to handle, and gives unlimited service. The permanent non-fading colour standards are made with optical precision for accurate and exact matching of colour. They are comparable with international master colour standards of hemoglobin values.

Catalog No.	Description	Pack Size
31-00-001	Prismatic, Square Tube with precision 20cmm pipette	Each
31-00-002	Plano parallel, Square Tube with precision 20cmm pipette	Each
31-01-002	Plano parallel, Round Tube with precision 20cmm pipette	Each

MUCAPS® Micro Cappillary
MICRO CAPILLARIES

Variety of Mucaps® micro capillaries, Heparinized and Non-Heparinized are offered by us for various applications such as blood grouping, blood typing, coagulation, PCV test etc. Other applications include immunoglobulin identification, blood gas analysis, platelet counts, micro haematocrit determination & so on.

Catalog No.	Length	Description	Pack Size	Catalog No.	Length	Description	Pack Size
20-00-011	75mm	Haematocrit, Heparinised	100caps	20-00-015	125mm	Blood gas analyser, Heparinised	100caps
20-00-012	75mm	Haematocrit, non Heparinised	100caps	20-00-016	125mm	Blood gas analyser, non Heparinised	100caps
20-00-013	32mm	Strumia, Heparinised	100caps	20-00-017	90mm	BTCT,(Bleeding Time Clotting Time)	100caps
20-00-014	32mm	Strumia, non Heparinised	100caps	20-00-018	90mm	BTCT,(Bleeding Time Clotting Time)	250caps

ESR Esrite Kit

The Kit comprises of non-corroding, washable polypropylene interlocking stand with provision to simultaneously hold 5 or 10 pipettes. The Esrite Pipettes are manufactured from hard borosilicate glass, to international standards. The ESR tubes are ground at the bottom, to give leak proof closure in the blood sample vial. Anodized aluminum screen with permanent blue scale helps easy reading of sedimentation rate.

Catalog No.	Description	Pack Size
33-00-001	Esrite kit with 5 Esrite Pipettes & 25 Esrite Vials	Each
33-00-002	Esrite kit with 10 Esrite Pipettes & 50 Esrite Vials	Each
33-01-001	Esrite Pipettes	Each
33-01-002	Esrite Vials	Each
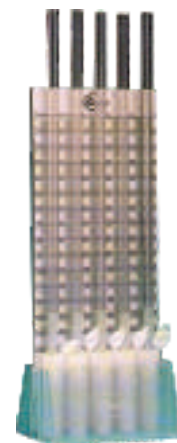
Glass Syringes

TRÜTH Standard Glass Syringes

Standard Glass Syringes are manufactured from high quality borosilicate heat resistance glass to insure the perfect mating of barrels and plungers.

Capacity	Glass Luer Tip	Pack Size	Capacity	Metal Luer Lock Tip	Pack Size
2ml	01-05-01-05	10	2ml	01-05-02-05	10
5ml	01-08-01-06	10	5ml	01-08-02-06	10
10ml	01-09-01-07	10	10ml	01-09-02-07	10
20ml	01-10-01-08	10	20ml	01-10-02-08	10

TRÜTH Mini Glass Syringes

Mini Glass Syringes are widely used in both clinical &research procedures for the administration of precise low volume doses ranging from 1/4ml to 2ml. Fabricated of chemically resistant borosilicate glass with easy to read accurate permanent calibration lines. The 1ml syringe is fitted with a white or blue plunger with standard graduations.

Capacity	Glass Luer Tip	Pack Size	Capacity	Metal Luer Lock Tip	Pack Size
0.25ml	04-01-01-01	10	1ml	04-04-02-01	10
0.5ml	04-02-01-01	10	2ml	04-06-02-02	10
1ml	04-04-01-01	10			

TRÜTH Toomey Evacuating / Irrigation Glass Syringes

Toomey Evacuating Syringe is useful in the irrigation of the bladder and urethra, gastric sampling and inflation of Foley catheters during cystoscopy & resectoscopy.

Toomey Nozzle

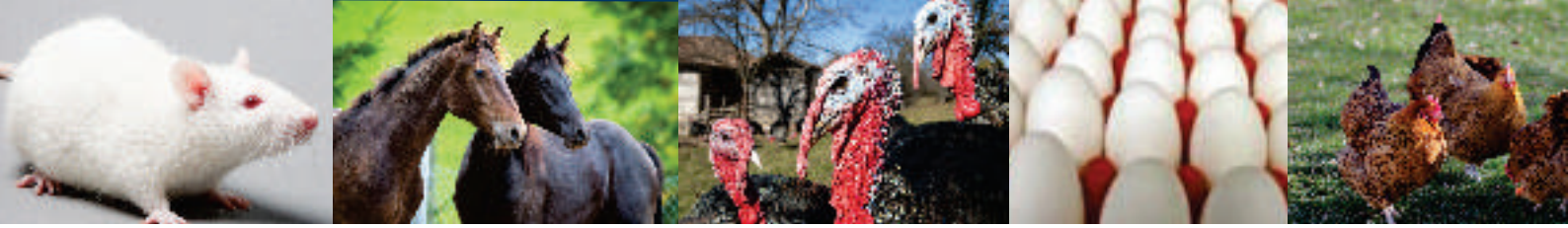| Capacity	Metal Base Tip	Description	Pack Size
50 ml	10-13-09-10	Glass Syringe with Metal base & Nozzle	Each
50 ml	10-13-00-10	Glass Syringe with Metal base only	Each
100 ml	10-15-09-10	Glass Syringe with Metal base & Nozzle	Each
100 ml	10-15-00-10	Glass Syringe with Metal base only	Each
—	00-00-09-00	Only Nozzle	Each

TRÜTH Jumbo Glass Syringes

For Biomedical, Environmental, Laboratory, Clinical and Research Procedures

Capacity	Metal Luer Lock Tip	Pack Size
50 ml	11-13-02-08	Each
100 ml	11-15-02-10	Each

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TRÜTH Control Glass Syringes

With 3 Finger Ring, Metal Piston

Reusable injection glass syringe for human and veterinary medicine

Capacity	Metal Luer Lock Tip	Description	Pack Size
10ml	19-30-02-05	Glass Syringe with Metal Piston	Each
20ml	19-31-02-08	Glass Syringe with Metal Piston	Each
50ml	19-32-02-10	Glass Syringe with Metal Piston	Each

With 3 Finger Ring, Glass Piston

Capacity	Metal Luer Lock Tip	Description	Pack Size
10ml	19-09-02-05	Glass Syringe with Glass Piston	Each
20ml	19-10-02-08	Glass Syringe with Glass Piston	Each
50ml	19-13-02-10	Glass Syringe with Glass Piston	Each

TRÜTH Record Glass Syringes

Glass Syringes with Metal Piston & Rubber Ring

Glass Syringes fulfill the demand of medical practice & Veterinary application in simplicity and reliability in every way

Capacity	Metal Record Tip	Pack Size	Capacity	Metal Luer Lock Tip	Pack Size
1ml	17-04-21-02	Each	1ml	17-04-02-02	Each
2ml	17-05-21-05	Each	2ml	17-05-02-05	Each
5ml	17-08-21-06	Each	5ml	17-08-02-06	Each
10ml	17-09-21-07	Each	10ml	17-09-02-07	Each
20ml	17-10-21-08	Each	20ml	17-10-02-08	Each
50ml	17-13-21-10	Each	50ml	17-13-02-10	Each

Features:

- Graduated glass syringe with precision cut
- Autoclavable (134°C or 273°F)
- Plunger and Glass Syringes can be interchanged as desired
- The Glass Syringes is transparent and even after long use shows no sign of wear, as does the stainless steel plunger
- There is no danger of breakage if glass syringe is not taken to pieces for sterilizing
- The plunger is smooth and so ensures enhanced tightness

Also available without rubber ring

CORTO
Glass Syringe Pipettors

Autodispenser Glass Syringe
For Repetitive Dispensing / Fluid Dispensing Tasks

Key Features:
★ Simple Natural Movements
★ Plunger Tightness without 'O' Ring
★ Volume Selection
★ Low Maintenance

Suitable for:
● Laboratory
● Veterinary
● Sterile Work
● Filtration

Unlimited Applications:
✔ Dose-by-dose distribution
✔ Dispensing distribution
✔ Sterile Work
✔ Filtration
✔ Animal Injection

Capacity	Catalog No	Description	Pack Size
0.2 to 2ml	14-05-30-00	2ml, CORTO Kit, VK	Each
0.5 to 5ml	14-08-30-00	5ml, CORTO Kit, VK	Each
1 to 10ml	14-09-30-00	10ml, CORTO Kit, VK	Each
2 to 20ml	14-10-30-00	20ml, CORTO Kit, VK	Each

The CORTO Classic self refilling syringe possesses a spring-loaded plunger and a 2-way valve. It is designed for serial precision injections/ repetitive dispensing task & intended for safe and reliable liquid distribution / dosing with a high accuracy and an excellent reproducibility. Good plunger tightness without 'O' ring, easy volume reading on the glass barrel & adjustment mechanism with a locking nut are additional key features of the syringe. The 'CORTO' Classic Kit provides efficient solutions for most repeat dispensing activities.

Each 'CORTO' Kit contains durable spring loaded assemblies:

Metal Assembly

1) Metal Holder

2) Plunger Spring

3) 'Corto' Glass Syringe

4) Metal Extension

5) SS Washer

Valve Kit

6) Automatic 2 way Valve

7) 3 feet PVC tubin

8) Sinker Valve

Accessories

9) Laboratory Pipetting Needle

10) Instruction Manual

Features of 'CORTO' Classic Kit

- Excellent Reproducibility
- Good plunger tightness without O-ring
- Reliable Volume Selection
- High Chemical Resistance
- Low Maintenance
- Ready to Use
- Simple Natural Movement

Application of 'CORTO' Classic Kit

- Dispensing Distribution
- Dose by Dose Distribution
- Continuous liquid dosing with a high accuracy & an excellent reproducibility

'CORTO' Kit Spare Parts:

TRÜTH **CORTO Glass Syringes**

Capacity	Metal Luer Lock Tip	Description	Pack Size
2ml	14-05-02-03	2ml, 'CORTO' Glass Syringes	10
5ml	14-08-02-05	5ml, 'CORTO' Glass Syringes	10
10ml	14-09-02-06	10ml, 'CORTO' Glass Syringes	10
20ml	14-10-02-07	20ml, 'CORTO' Glass Syringes	10

Valve Kit (14-25-30-00)
Capacity : 2ml, 5ml, 10ml & 20ml
Pipetting Needles

Capacity	Needles Size	Needles Catalog No.	Description	Pack Size
2ml	20G x 1½"	14-25-32-31	Pipetting Needles	Each
5ml	16G x 4"	14-25-32-32	Pipetting Needles	Each
10ml & 20ml	14G x 4"	14-25-32-33	Pipetting Needles	Each

Tempo Laboratory Autoclave

- Temperature Range : 121 to 125 deg.C
- Pressure Range : 15 to 22 PSI
- Factory Setting : 15 PSI at 121 deg.C
- Microprocessor based Digital temperature controller with inbulid timer
- Automatic purging of steam with Solenoid valve.
- Low water level cutoff system.
- Data logger for storing/printing data at required interval.
- 2 nos. Safety high pressure release valve.
- CFR 21 part 11 compliance window based software.

Tempo Stability Chamber

- Temperature Range : 20 to 60 deg.C
- Humidity Range : 40% to 90% Rh
- Accuracy : Temp. - ± 0.2 deg.C/ Humidity - + 2% Rh
- Imported microprocessor based auto tune PID controller
- Alarms for high/low temperature & humidity, low water level
- PLC with Touch screen HMI.
- Standby Refrigeration & Humidity system.
- Data logger for storing/printing data at required interval.
- 4 Or 8 Temperature & Humidity scanner for
- storing/printing data at required interval.
- CFR 21 part 11 compliance window based software.

Tempo

TI-714
STABILITY CHAMBER

CFC FREE
TI - 710 SERIES

Tempo

TI-504
BOD INCUBATOR

CFC FREE
TI-500 SERIES

Tempo BOD Incubator

- Temperature Range : 5 to 60 deg.C
- Accuracy : Temp. - ± 0.5 deg.C
- Imported microprocessor based auto tune PID controller
- Alarms for high/low temperature
- PLC with Touch screen HMI.
- Standby Refrigeration system.
- Data logger for storing/printing data at required interval.
- 4 Or 8 Temperature scanner for storing/printing data at required interval
- CFR 21 part 11 compliance window based software.

![Tempo]

Tempo Deep Freezer

- Temperature Range : -20 / -40 deg.C

- Accuracy : Temp. - ± 3 deg.C

- Imported microprocessor based auto tune PID controller

- PLC with Touch screen HMI.

- Standby Refrigeration system.

- Data logger for storing/printing data at required interval.

- 4 Or 8 Temperature scanner for storing/printing data at required interval

- CFR 21 part 11 compliance window based software.

CFC FREE
TI - 820 SERIES
TI - 823
Deep Freezer

Tempo Laboratory Precision Oven

- Temperature Range : 5 above ambient to 250 deg.C

- Accuracy : Temp. - ± 0.2 deg.C

- Imported microprocessor based auto tune PID controller

- Digital Safety controller

- 0-999 sec/min/hrs Digital timer for auto cutoff after complete set of time

- Data logger for storing/printing data at required interval.

- 4 Or 8 Temperature scanner for storing/printing data at required interval

- CFR 21 part 11 compliance window based software.

Tempo Muffle Furnace

- Temperature Range : 1150 C Continuous or 1200 C

- Imported microprocessor based auto tune PID Controller

- An additional Thyrister Circuit reduces energy
   consumption which results into decrease in electricity

- Data logger for storing/printing data at required interval

2015

Veterinary Catalog