



Your quality partner worldwide

# Animal health products

- **Self-refilling injection syringes**
- **Syringe accessories**
- **Spare parts**
- **Injection needles**
- **Guidance for maintenance**



## Your automatic choice



For our 60<sup>th</sup> anniversary, we proudly present our animal health catalogue featuring high-precision Swiss-made injection syringes designed and manufactured to last.

In today's world, where efficiency is critical, Socorex's core values—quality, durability, and precision—are more crucial than ever. Socorex is committed to providing top-of-the-line instruments and related accessories, keeping animal and field professional welfare in mind. Our injectors ensure reliability, ease of use, and high productivity. In addition, our specialists and worldwide distributors are always available to offer solutions tailored to your specific needs.

Let's continue to work together, push the limits of animal injection, and explore new horizons for mutual success. Thank you for selecting Socorex as your trusted partner!

Sincerely  
Julien Ruchet, CEO

### 60 Years of Excellence

Socorex Isba SA, often referred to as just Socorex, started as a manufacturer of glass and metal syringes for medical applications. Following the market trends, the company undertook a strategic reconversion, focusing on precision volumetry instruments for animal health and laboratory segments. Sixty years later, the high technical know-how, professional team and premium services will lead Socorex towards many more success stories.

### Automatic choice for animal health

Socorex animal health division features robust and durable vaccination syringe lines of outstanding performance, designed for serial precision injections in a variety of applications. The *classic* syringe line, a bestseller for over 30 years, is complemented by the ergonomic Socorex *ultra* 1810 model introduced in 2019.

Anyone who held Socorex animal health products in their hands knows they are made to last. Thanks to timeless design and manufacturing consistency, full control over the instrument lies in the users' hands. The injectors can be easily disassembled, reassembled and components exchanged

across generations. This gives the operator a certain level of comforting predictability and warrants an extended lifetime of the injector, in the light of sustainability.

### Success lies in synergies

A great syringe in experienced hands requires an excellent needle. At Socorex, we offer precision not only on the sub milliliter level when it comes to syringes, but also on microliter scale with our needle portfolio. By choosing high quality Socorex needles for your vaccination campaigns, you can ensure efficiency, pain-free procedures for the animals and resource savings.

### Our customers

We are proud to work together with an array of vaccine manufacturers and vaccination technicians and help them safely deliver vaccines to animals all around the world, contributing to animal welfare and disease prevention.

For dedicated customer support, tailored webinars and training, refer to the list of our trusted distributors at [www.socorex.com/en/veterinary/distributors](http://www.socorex.com/en/veterinary/distributors).



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## Syringe programme overview

### Socorex offers two lines of reusable, reliable injection syringes

*ultra* 1810 model belongs to the latest syringe generation. It is made of very robust synthetic resin and is designed for the accurate injection of micro-volumes as small as 0.02 mL. The syringe line offers great ergonomics and can be used with any animal species, for up to 2 mL injections.

*classic* 187, 287 and 167 models have been a part of the Socorex programme for a long time. Covering volumes of up to 10 mL, they remain a reference in precision injection.

- Adjustable models with feed tubing and vial holder
- Autoclavable fully assembled at 121 °C / 250 °F
- Suitable for most liquids and suspensions
- Easy disassembly without tools
- Supplied with accessories, operating instructions and quick reference guide
- Spare parts available for repair, including interchangeable glass barrels
- Large selection of accessories and consumables



#### Specific features of the *ultra* syringes

- 44% lighter than *classic* equivalents
- Improved ergonomics: very soft activation and optimized plunger travel

#### Specific features of the *classic* syringes

- Great versatility: available in fixed and adjustable volume versions, for single or Twin injections
- Volume ranges up to 10 mL



# Syringe comparison

Unmatched  
**Robustness**



*ultra 1810*

*classic 167/187/287*

<b>Syringe handle</b>	PA enriched with glass fibers	
<b>Plunger</b>	Stainless steel	
<b>Plunger tightness</b>	No O-ring (except <i>ultra</i> 1810 ≤ 0.3 mL)	
<b>Nozzle</b>	Metal Luer Lock	
<b>Disassembly</b>	Easy access to all parts for maintenance, no tools needed	
<b>Spare parts</b>	All parts available separately	
<b>Sterilization</b>	Disassembled in boiling water or assembled in autoclave (121 °C / 250 °F)	
<b>Specific accessories</b>	Conversion sets vial and tube feeding, FishGuide™	
	Abacus™ shot counter	Manifold for Twin syringe
<b>Weight*</b>	91 g	155 g
<b>Activation force*</b>	~14 N	~20 N
<b>Handle distance at rest*</b>	55 mm	70 mm
<b>Syringe body</b>	PA enriched with glass fiber	Nickel-chrome plated brass
<b>Syringe barrel</b>	Thick ground glass	Ground glass
<b>Models</b>	Tube and vial feeding	Tube and vial feeding, single or Twin
<b>Volume ranges</b>	0.02 - 0.1 mL / 0.05 - 0.2 mL / 0.05 - 0.3 mL 0.1 - 0.5 mL / 0.1 - 1 mL / 0.3 - 2 mL	0.025 - 0.3 mL / 0.1 - 0.5 mL / 0.1 - 1 mL / 0.3 - 2 mL 0.5 - 5 mL / 1 - 10 mL
<b>Fixed volume</b>	N/A	0.2, 0.3, 0.5 and 1 mL
<b>Valve system</b>	Compact valve cartridges	Metal valve springs and balls

## Criteria for a wise choice

- Almost unbreakable glass barrel
- Best suited for small volume injections
- Ergonomic design of hand piece
- Short, lightweight and extra-smooth activation

- Best seller for more than 30 years
- Larger volumes for a wide range of animals
- Parts fitting several instrument generations

\*Comparison of 1 mL volume syringes

## Automatic self-refilling light syringe

The *ultra 1810* syringe line delivers highly precise doses, setting new standards in micro volumes injections. Reusable, extremely robust, yet light in weight, the instrument's capacity stretches from 0.02 mL to 2 mL. Intended for applications among various animal species such as (but not limited to) fish, pigeons, rabbits, chicks, ducks, poultry, geese and piglets.

- Superior, long-lasting quality
- Natural ergonomics
- Suitable for all vaccines and medications
- Longevity matching environmental considerations
- High flexibility in use
- Autoclavable fully assembled at 121 °C / 250 °F



### Superior material selection for ultimate durability

Part	Material
Feed tubing	Medical grade silicone
Barrel	Soda-lime glass (0.5, 1, 2 mL) Borosilicate glass 3.3 (0.1, 0.2, 0.3 mL)
Plunger	Stainless steel
Barrel washer	FPM*
Plunger O-ring (0.1, 0.2 and 0.3 mL models)	FPM*
Valve cartridge	PP, stainless steel and FPM*
Syringe casing	PA with glass fiber
Sinker and feed cannula	Nickel-chrome plated brass

\*FPM used in Socorex products is FDA compliant

### Environment and sustainability

Robustness and longevity of the Socorex instruments are clear contributions to environmental considerations. Instruments can be disassembled and reassembled multiple times and worn parts easily replaced. Supplied in special reusable packaging to always keep the instrument safe.

### Natural ergonomics

Shorter axis and revised handle design makes the syringe fit in hand in the most comfortable way. Activation can be performed with minimal effort, guaranteeing high productivity output.

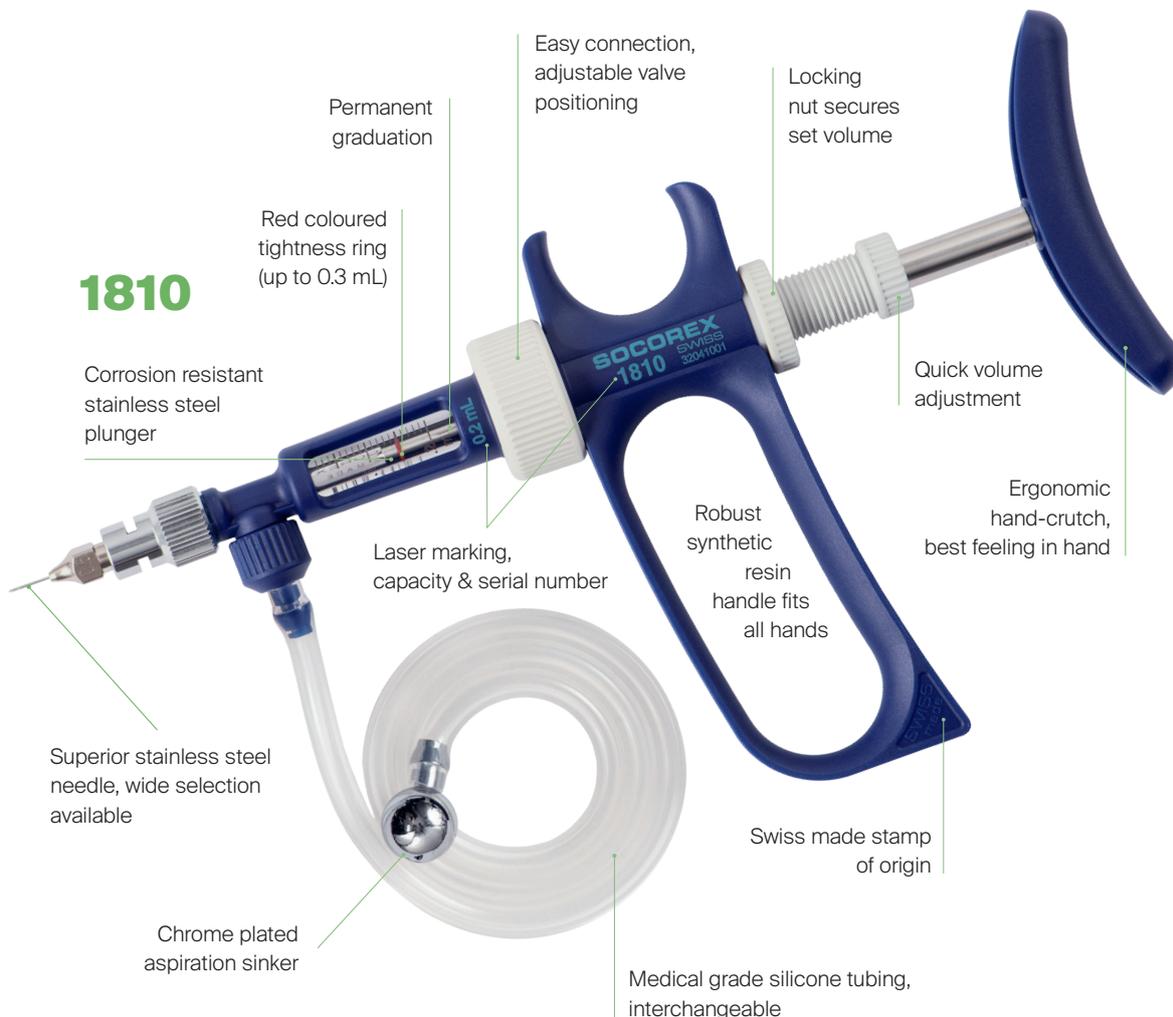


### Easy and flexible in use

Volume can easily be set with the micrometric screw and secured with a locking nut to assure high dose-to-dose reproducibility even with small volumes. Vial and tube feeding accessories are interchangeable on the syringe.

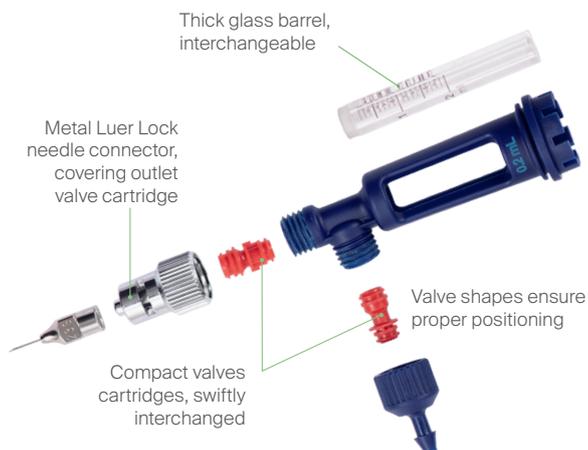


# Instrument features



## Disassembling & maintenance

The syringe is easy to disassemble / reassemble. Fast access to all elements allows quick and efficient cleaning.



## Vial and tube feeding models



### Vial feeding *ultra 1810* model

Standard supply includes:

- Luer Lock nozzle
- Barrel washer
- Bottle lock
- Connection tubing
- Operating instructions



### Tube feeding *ultra 1810* model

Standard supply includes:

- Luer Lock nozzle
- 1 m feed tubing
- Sinkers
- Feed needle and vent cannula
- Operating instructions



### Tube feeding *ultra 1810* model with Abacus™

This advanced syringe combines tube feeding functionality and a built-in Abacus™ shot counter, offering a comprehensive solution for precise injectables delivery and dosage management. Shot counter performs precise counts of every injection. Abacus™ shot counter is not autoclavable.

Syringes supplied with a spare part bag, including barrel washer, plunger O-ring, and guide for O-ring (only for sizes up to 0.3 mL). Spare part bag also available separately.

see page 8

### Performance and ordering information

Volume range (mL)	Division (mL)	Precision (CV%)			Cat. No.		
		Min. vol.	Mid. vol.	Max. vol.	1810.1 model with vial holder	1810.2 model with feed tube	1810.6 model with feed tube and Abacus™*
0.02 – 0.1	0.005	< 1.8%	< 1.2%	< 0.5%	1810.1.05001	1810.2.05001	1810.6.05001
0.05 – 0.2	0.01	< 1.6%	< 1.0%	< 0.5%	1810.1.05002	1810.2.05002	1810.6.05002
0.05 – 0.3	0.025	< 1.4%	< 0.9%	< 0.45%	1810.1.05003	1810.2.05003	1810.6.05003
0.1 – 0.5	0.05	< 1.2%	< 0.8%	< 0.4%	1810.1.05005	1810.2.05005	1810.6.05005
0.1 – 1	0.05	< 0.7%	< 0.6%	< 0.4%	1810.1.0501	1810.2.0501	1810.6.0501
0.3 – 2	0.1	< 0.6%	< 0.5%	< 0.4%	1810.1.0502	1810.2.0502	1810.6.0502

Tests performed with bidist water, using stainless steel cannula (1.2 x 50 mm), at constant working speed. Performance data may vary based on liquid type, viscosity and needle size.  
 \*The usable volume range of the 1810 syringe, when used with Abacus™, may vary, particularly at the lower end of the volume spectrum. For detailed information, please visit the product webpage or consult the Quick Guide.



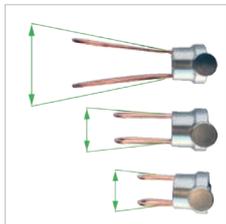
0.1  
0.2  
0.3  
0.4  
0.5 ml

0.5 ml

BOCOR  
1810

## Accessories and parts for the *ultra* syringe

### Accessories



#### FishGuide™

Accessory providing for correct needle positioning while injecting fishes. It reduces risks of fish wounds and protects the user from possible injuries. FishGuide™ can be positioned 360° on the syringes to adapt to the best working position. It can be installed and removed in no time without any tools.

Description	Packaging	Cat. No.
FishGuide™, 15 mm long	1 / pk	1.1810.015
FishGuide™, 25 mm long	1 / pk	1.1810.025
FishGuide™, 45 mm long	1 / pk	1.1810.045

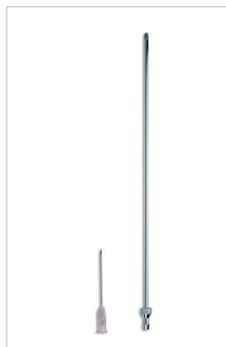


#### Abacus™ shot counter

Shot counter performs precise counts of every injection. The device is easily installed and removed and has a priming/rinsing position disabling shot counting. Casing is water-tight to prevent water from entering and damaging the mechanism. Abacus™ is not autoclavable.

Description	Packaging	Cat. No.
Counter for 0.1 and 0.2 mL syringes	1 / pk	1.1810.962
Counter for 0.3 and 0.5 mL syringes	1 / pk	1.1810.966
Counter for 1 and 2 mL syringes	1 / pk	1.1810.967
*Magnet for reset	1 / pk	1.1810.160

### Spare parts



#### Replacement cannulas

Supplied with tube feeding syringes. Vent cannula introduced into stopper allows air flow into vial. When connected to syringe tubing, feed cannula provides for liquid aspiration from a bottle. Made of chrome plated brass (except 187.933: stainless steel).

Description	Packaging	Cat. No.
Vent cannulas, plastic / SS syringes 0.1 to 2 mL, short 1.2 x 40 mm	10 / pk	187.933
Feed cannulas, chrome-plated, syringes 0.1 to 2 mL, long 3 x 190 mm	1 / pk	1810.973



#### Vial holder conversion set

Set for converting *ultra* 1810 tube feeding syringe into vial holder model. It includes one of each: vial holder, tube connector and bottle-lock. No tools needed for instant mounting on syringe.

Description	Packaging	Cat. No.
Vial holder set	1 / pk	1.1810.010
Replacement tube connector	1 / pk	1810.716
Replacement duck bill valve	1 / pk	1810.975



#### White oil for plunger O-ring

Quality paraffin white oil intended for use with self-refilling syringe *ultra* 1810. A small drop added at barrel entry facilitates plunger movement when fitted with O-ring.

Description	Packaging	Cat. No.
50 mL bottle	1 / pk	1.1810.700

See other accessories on page [18](#)



#### Spare part kits

Spare part set is supplied with each syringe in a separate bag. Content up to 0.3 mL: 2 compact cartridges (inlet valve, outlet valve) 2 barrel washers, 2 plunger O-rings, 1 guide for O-ring. Bag content as of 0.5 mL: 2 compact cartridges (inlet valve, outlet valve) and 3 barrel washers.

Description	Packaging	Cat. No.
Kit for valve, syringe 0.1 mL	1 bag	1.1810.72001
Kit for valve, syringe 0.2 mL	1 bag	1.1810.72002
Kit for valve, syringe 0.3 mL	1 bag	1.1810.72003
Kit for valve, syringe 0.5 mL	1 bag	1.1810.72005
Kit for valve, syringe 1 mL	1 bag	1.1810.7201
Kit for valve, syringe 2 mL	1 bag	1.1810.7202



### Spare valves

Compact valve cartridges, easy to handle and interchange. Valve shapes ensure proper positioning.

Description	Color	Packaging	Cat. No.
Intake valve (0.1 - 0.5 mL)	red	1 pc	1810.915
Outlet valve (0.1 - 0.5 mL)	red	1 pc	1810.945
Intake valve (1 - 2 mL)	yellow	1 pc	1810.916
Outlet valve (1 - 2 mL)	yellow	1 pc	1810.946



### Replacement feed tubing

Spare feed tubing made of long-lasting medical grade silicone. Autoclavable at 121 °C / 250 °F or sterilizable in boiling water.

Description	Packaging	Cat. No.
Feed tubing, 1 m, ≤ 0.3 mL	1 pc	1810.705
Feed tubing, 1 m, ≥ 0.5 mL	1 pc	187.705
Feed tubing, uncut, 0.1, 0.2 and 0.3 mL	by the meter	1810.710
Feed tubing, uncut, 0.5 to 2 mL	by the meter	187.710
Feed tubing, 10 m, ≤ 0.3 mL	1 pc	1810.910



### Spare glass barrels

Graduated barrels. Barrels and plungers are interchangeable. Replacing a barrel does not necessarily require the change of the plunger.

Description	Packaging	Cat. No.
Barrel for 0.1 mL syringe	6 / pk	01810.001
Barrel for 0.2 mL syringe	6 / pk	01810.002
Barrel for 0.3 mL syringe	6 / pk	01810.003
Barrel for 0.5 mL syringe	6 / pk	01810.005
Barrel for 1 mL syringe	6 / pk	01810.01
Barrel for 2 mL syringe	6 / pk	01810.02



### Spare plungers

Made of stainless steel. Supplied with O-ring for volumes up to 0.3 mL.

Description	Packaging	Cat. No.
Plunger for 0.1 mL syringe*	1 pc	1810.981
Plunger for 0.2 mL syringe*	1 pc	1810.982
Plunger for 0.3 mL syringe*	1 pc	1810.983
Plunger for 0.5 mL syringe	1 pc	1810.585
Plunger for 1 mL syringe	1 pc	1810.586
Plunger for 2 mL syringe	1 pc	1810.587

\*O-ring included



### Spare O-ring

Made of robust FEP elastomere, the O-ring guarantees perfect plunger tightness.

Description	Packaging	Cat. No.
Plunger O-ring for 0.1 mL syringe	10 / pk	1810.951
Plunger O-ring for 0.2 mL syringe	10 / pk	1810.952
Plunger O-ring for 0.3 mL syringe	10 / pk	1810.953



### Guide for plunger O-ring

Simple tool for easy O-ring replacement. One guide is also supplied in each spare part kit.

Description	Packaging	Cat. No.
Guide for plunger O-ring, syringe 0.1 mL	10 / pk	1810.971
Guide for plunger O-ring, syringe 0.2 mL	10 / pk	1810.972
Guide for plunger O-ring, syringe 0.3 mL	10 / pk	1810.973

## Sustainability

Socorex instruments are designed to last. When parts get damaged, they can be easily replaced. All parts are interchangeable and contribute to the longevity of the products. Durability and waste management are a longtime priority for Socorex.

## Automatic self-refilling syringes

The Socorex self-refilling syringes with spring-loaded plunger and three-way valve system are designed for serial precision injections. Simple concept, perfect balance and ergonomic design provide for ease of use, operator comfort and fatigue-free fieldwork. An exceptional price-to-quality ratio makes the Socorex syringes even more your automatic choice.

- Superior, long-lasting quality
- Effortless, high throughput vaccination
- From small to large animals
- Suitable for aqueous, oily, viscous or heavy iron solutions as well as a variety of suspensions
- Operate under any climatic conditions
- Economical parts, all interchangeable



### Superior material selection for ultimate durability

Part	Material
Feed tubing	Medical grade silicone
Barrel	Soda-lime glass
Plunger	Stainless steel
Barrel washer	FPM*
Valve washers	PTFE
Valve springs and balls	Stainless steel
Syringe casing	Nickel-chrome plated brass
Nozzle valve, intake valve	Nickel-chrome plated brass
Sinker and feed cannula	Nickel-chrome plated brass

\*FPM used in Socorex products is FDA compliant

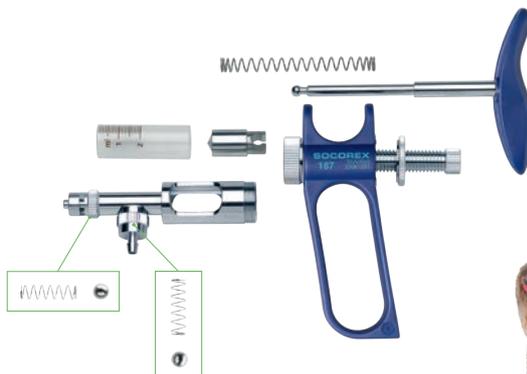
### Plunger tightness without O-ring

Smooth plunger travel and tightness achieved through high precision stainless steel plunger and grounded glass barrel. No O-ring to mess with or replace.



### Time efficient maintenance

Syringes easy to disassemble / reassemble. Fast access to all elements allows quick and efficient cleaning. Sterilization fully assembled in boiling water or in autoclave at 121 °C / 250 °F.



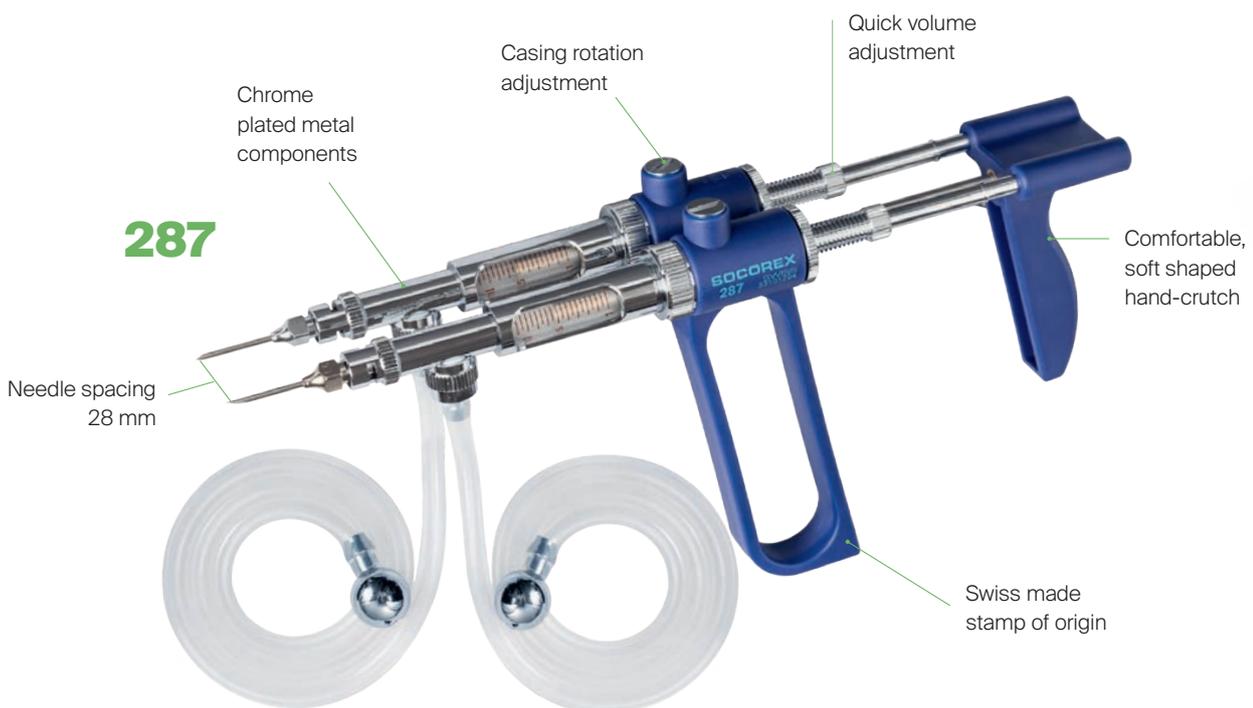
# Instrument features



**187**



**287**



## Vial and tube feeding models



### Vial feeding syringe *classic 187*

The 187 vial feeding syringe fits tightly any 20 mm neck diameter vaccine vial.

Standard supply includes:

- Luer Lock nozzle
- Set of spares for valves (springs, valve balls and washers)
- Vial holder set (vial holder, locking ring, bottle lock, tube connector, feed needle, rubber washer)
- Operating instructions



### Tube feeding syringe *classic 187*

The 187 syringe with tube feeding enables aspiration from any bottle carried at the belt, hanging on holder or from a backpack container.

Standard supply includes:

- Luer Lock nozzle
- Set of spares for valves (springs, valve balls and washers)
- Feed tube set (silicone tubing, sinker, aspiration and vent cannulas)
- Operating instructions



#### Syringe conversion set

The tube feeding model can easily be converted into a vial feeding one with the syringe conversion set. The set is available as an accessory and includes a vial holder, tube connector and a bottle-lock. No tools needed for instant mounting on syringe. Syringe and vial holder are autoclavable fully assembled.



### Performance and ordering information

Volume range (mL)	Division (mL)	Precision (CV%)			Cat. No.		
		Min. vol.	Mid. vol.	Max. vol.	187.1 model with vial holder	187.2 model with feed tube	187.3 combo with vial holder and feed tube
0.025 – 0.3	0.025	< 1.8% *	< 1.2%	< 0.5%	187.1.05003	187.2.05003	
0.1 – 0.5	0.1	< 1.2%	< 0.9%	< 0.4%	187.1.05005	187.2.05005	187.3.05005
0.1 – 1	0.05	< 0.7%	< 0.6%	< 0.4%	187.1.0501	187.2.0501	187.3.0501
0.3 – 2	0.1	< 0.6%	< 0.5%	< 0.4%	187.1.0502	187.2.0502	187.3.0502
0.5 – 5	0.5	< 0.5%	< 0.4%	< 0.2%	187.1.0505	187.2.0505	187.3.0505
1 – 10	1	< 0.5%	< 0.4%	< 0.2%	187.1.0510	187.2.0510	187.3.0510

Tests performed with bidest water, using stainless steel cannula (1.2 x 50 mm), at constant working speed. Performance data may vary based on liquid type, viscosity and needle size.  
\*Measured at 0.075 mL.

## Vial and tube feeding Twin models

Combining reliability with efficiency, the Twin syringe is intended for the simultaneous administration of distinct liquids. Each side consists of its own barrel – valve assembly. Volumes are adjustable independently and the needle spacing is 28 mm.

### Vial feeding Twin syringe classic 287

Vial feeding Twin syringe enables tight fitting of any 20 mm neck diameter vaccine vials up to 50 mL capacity.

Standard supply includes:

- Luer Lock nozzles
- Operating instructions and a set of spare parts for each valve unit
- Vial holder set (vial holder, locking ring, bottle lock, tube connector, feed needle, rubber washer)



### Tube feeding Twin syringe classic 287

Tube feeding Twin syringe enables aspiration from a mix of reservoirs: bottles carried at the belt, hanging on holder or a backpack container.

Standard supply includes:

- Luer Lock nozzles
- Operating instructions and a set of spare parts for each valve unit
- Feed tube set (silicone tubing, sinker, aspiration and vent cannulas)



### Single needle manifold

This accessory allows simultaneous injection of two different liquids through the same needle, for instance oil-based and water-based products that would otherwise not mix. Useful to limit skin punctures and animal injuries. It is mounted effortlessly on a twin self-refilling syringe without the help of any additional tools. Made of stainless steel and autoclavable, it is compatible with any Socorex Twin classic 287 syringe.



Cat. No 1.287.685

### Performance and ordering information

Volume range (mL)	Division (mL)	Precision (CV%)			Cat. No.	
		Min. vol.	Mid. vol.	Max. vol.	287.1 model with vial holder	287.2 model with feed tube
0.025 – 0.3	0.025	< 1.8%*	< 1.2%	< 0.5%	287.1.05003	287.2.05003
0.1 – 0.5	0.1	< 1.2%	< 0.9%	< 0.4%	287.1.05005	287.2.05005
0.1 – 1	0.05	< 0.7%	< 0.6%	< 0.4%	287.1.0501	287.2.0501
0.3 – 2	0.1	< 0.6%	< 0.5%	< 0.4%	287.1.0502	287.2.0502
0.5 – 5	0.5	< 0.5%	< 0.4%	< 0.2%	287.1.0505	287.2.0505

Tests performed with bidest water, using stainless steel cannula (1.2 x 50 mm), at constant working speed. Performance data may vary based on liquid type, viscosity and needle size.  
\*Measured at 0.075 mL.



SOCOREX  
787  
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33121331

1  
0.5  
0.4  
0.3  
0.2  
0.1  
ml

## Fixed volume and two-ring models

### Fixed volume syringe classic 187F

Closely related and sharing all features of the adjustable volume syringes, the fixed volume models with tube feeding offer an extremely high performance stability. Due to absence of a volume adjustment mechanism, these models eliminate any risk of setting error.

Standard supply includes:

- Luer Lock nozzle, set of spares for valves (springs, valve balls and washers)
- Feed tube set (silicone tubing, sinker, aspiration and vent cannulas)
- Operating instructions

187 F



#### Performance and ordering information

Volume (mL)	Precision (CV%)	Cat. No.	
		Fixed volume model with vial holder	Fixed volume model with feed tube
0.2	< 0.5%	1871.F05002	1872.F05002
0.25	< 0.5%		1872.F050025
0.3	< 0.4%	1871.F05003	1872.F05003
0.5	< 0.4%	1871.F05005	1872.F05005
1	< 0.4%	1871.F0501	1872.F0501

Tests performed with bidest water, using stainless steel cannula (1.2 x 50 mm), at constant working speed. Performance data may vary based on liquid type, viscosity and needle size.

### Two-ring syringe classic 167

The ergonomic two-ring model offers an alternative work position to the classic pistol grip syringe from which it originates.

Standard supply includes:

- Luer Lock nozzle
- Set of spares for valves (springs, valve balls and washers)
- Feed tube set (silicone tubing, sinker, aspiration and vent cannulas)
- Operating instructions

167



#### Performance and ordering information

Volume range (mL)	Division (mL)	Precision (CV%)			Cat. No.
		Min. vol.	Mid. vol.	Max. vol.	167.2 model with feed tube
0.025 - 0.3	0.025	< 1.8%*	< 1.2%	< 0.5%	1672.05003
0.1 - 0.5	0.1	< 1.2%	< 0.9%	< 0.4%	1672.05005
0.1 - 1	0.05	< 0.7%	< 0.6%	< 0.4%	1672.0501
0.3 - 2	0.1	< 0.6%	< 0.5%	< 0.4%	1672.0502
0.5 - 5	0.5	< 0.5%	< 0.4%	< 0.2%	1672.0505

Tests performed with bidest water, using stainless steel cannula (1.2 x 50 mm), at constant working speed. Performance data may vary based on liquid type, viscosity and needle size.

\*Measured at 0.075 mL.

## Accessories and parts for classic syringes

### Accessories



#### Conversion sets

Tube feeding set for converting vial holder syringes into tube feeding models. Set includes 1 meter silicone tubing, sinker, feed and vent cannulas.

Vial holder set for converting tube feeding syringes into vial holder models. Set

includes one each vial holder, tube connector, feed needle, locking ring, rubber washer (improves vial tightness in holder) and bottle-lock. No tools needed for instant mounting on syringe.

Description	Packaging	Cat. No.
Vial holder set with valve	1 pc	1.187.1B
Vial holder set without valve	1 pc	1.187.1C
Rubber washers, Ø 20 mm	10 / pk	1.187.745
Feed tubing set	1 pc	1.187.2B



#### PVC protection sleeve

Installed in a second, the sleeve provides an efficient way of reducing glass barrel breakage. Sleeve is not autoclavable.

Description	Packaging	Cat. No.
Sleeve, 0.3, 0.5 mL barrels	6 / pk	1.170.4005
Sleeve, 1 mL barrels	6 / pk	1.170.401
Sleeve, 2 mL barrels	6 / pk	1.170.402
Sleeve, 5 mL barrels	6 / pk	1.170.405
Sleeve, 10 mL barrels	6 / pk	1.170.410



#### PP reservoir with Rotlauf thread

Large screw-on PP reservoirs with air inlet available in three different capacities. Requires Rotlauf intake valve (Cat. No. 187.613) to be ordered separately. Autoclavable.

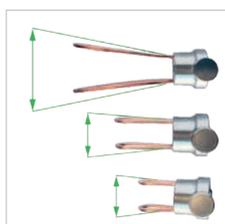
Description	Packaging	Cat. No.
60 mL	1 pc	1.187.060
125 mL	1 pc	1.187.150
250 mL	1 pc	1.187.250



#### Injection handle

Ideal to inject in confined areas not easily reached by syringe. Set includes handle, 1 m. silicone tubing, Luer Lock connectors to syringe and needle. Also fits 20 or 35 cm rigid extension tubing.

Description	Packaging	Cat. No.
Injection handle set	1 pc	1.187.100



#### FishGuide™

Accessory providing for correct needle positioning while injecting fishes. It reduces risks of fish wounds and protects the user from possible injuries.

It reduces risks of fish wounds and protects the user from possible injuries. FishGuide™ can be positioned 360° on the syringes to adapt to the best working position. It can be installed and removed in no time without any tools.

Description	Packaging	Cat. No.
FishGuide™, 15 mm long	1 / pk	1.187.015
FishGuide™, 25 mm long	1 / pk	1.187.025
FishGuide™, 45 mm long	1 / pk	1.187.045



See other accessories on page 18

## Spare parts



### Spare part kits

The spare part kit is placed in a dedicated bag, supplied with each syringe. It can also be ordered separately. Long term production stability guarantees part compatibility with instruments supplied over decades.

Description	Packaging	Cat. No.
Kit for valve, syringe 0.3 mL	1 bag	1.187.72003
Kit for valve, syringe 0.5 mL and fixed volume syringes 0.2-0.3-0.5 mL	1 bag	1.187.72005
Kit for valve, fixed and adjustable syringes, 1 mL	1 bag	1.187.7201
Kit for valve, syringe 2 mL	1 bag	1.187.7202
Kit for valve, syringe 5 mL	1 bag	1.187.7205
Kit for valve, syringe 10 mL	1 bag	1.187.7210



### Replacement cannulas

Supplied with tube feeding syringes. Vent cannula introduced into stopper allows air flow into vial. When connected to syringe tubing, feed cannula provides for liquid aspiration from a bottle. Made of chrome plated brass (except 187.933: stainless steel).

Description	Packaging	Cat. No.
<b>Short vent cannulas</b>		
Plastic / SS, syringes 0.3 to 5 mL	10 / pk	187.933
Chrome-plated, syringes 10 mL	1 / pk	185.591
<b>Long feed cannulas</b>		
Chrome-plated, syringes 0.3 to 10 mL	1 / pk	187.592



### Spare plunger

Interchangeable plungers are made of stainless steel. Changing the plunger or the glass barrel does not necessarily require the change of the other part.

Description	Packaging	Cat. No.
Plunger for fixed and adjustable syringes, 0.3 mL	1 pc	187.584
Plunger for fixed and adjustable syringes, 0.5 mL	1 pc	187.585
Plunger for fixed and adjustable syringes, 1 mL	1 pc	187.586
Plunger for 2 mL syringe	1 pc	187.587
Plunger for 5 mL syringe	1 pc	187.588
Plunger for 10 mL syringe	1 pc	187.589



### Spare glass barrels

Spare graduated barrels with guaranteed compatibility for instruments supplied over decades. Barrels and plungers are interchangeable. Replacing a barrel does not necessarily require the change of the plunger.

Description	Packaging	Cat. No.	
		Adjustable volume	Fixed volume
Barrel for 0.2 mL syringe	6 / pk		0187.002F
Barrel for 0.25 mL syringe	6 / pk		0187.0025F
Barrel for 0.3 mL syringe	6 / pk	0187.003	0187.003F
Barrel for 0.3 mL syringe, with plunger	6 / pk	0187.003P	
Barrel for 0.5 mL syringe	6 / pk	0187.005	0187.005F
Barrel for 0.5 mL syringe, with plunger	6 / pk	0187.005P	
Barrel for 1 mL syringe	6 / pk	0187.01	0187.01F
Barrel for 2 mL syringe	6 / pk	0187.02	
Barrel for 5 mL syringe	6 / pk	0187.05	
Barrel for 10 mL syringe	6 / pk	0187.10	



### Replacement feed tubing

Spare feed tubing made of long-lasting medical grade silicone. Autoclavable at 121 °C / 250 °F or sterilizable in boiling water.

Description	Packaging	Cat. No.
Tube, syringes 0.3 to 10 mL, cut	1 m / pk	187.705
Tube, syringes 0.3 to 10 mL, uncut	By the meter	187.710
Tube, syringes 0.3 to 10 mL, cut	10 m / pk	187.910

### Sustainability

Socorex instruments are designed to last. When parts get damaged, they can be easily replaced. All parts are interchangeable and contribute to the longevity of the products. Durability and waste management are a longtime priority for Socorex.

## Accessories common to all syringes



### Anti-blocking factor (ABF™)

The ABF™ lubricant is non-oily and antiadhesive, non-toxic and silicone-free. A thin layer on metal plunger effectively protects against corrosion.

Description	Packaging	Cat. No.
Lubricant spray, 70 mL	1 pc	1.170.705
	6 / pk	1.170.906
	12 / pk	1.170.912
Lubricant spray refill bottle, 500 mL	1 pc	1.170.755
	6 / pk	1.170.956
	12 / pk	1.170.962



### Drenching cannulas

Adapted for the safe feeding or administration of medication to animals through the nose or mouth. Available straight or curved with a rounded end, the Luer Lock cannulas perfectly fit onto the syringe nozzle. Made of stainless steel, autoclavable at 121 °C / 250 °F.

Size (ø x L)	Packaging	Cat. No.	
		Straight version	Bent version
0.9 x 25 mm	3 / pk	376.0925S	376.0925B
1.2 x 51 mm	3 / pk	376.1251S	376.1251B
1.6 x 102 mm	2 / pk	376.16102S	376.16102B
3.0 x 203 mm	2 / pk	376.30203S	376.30203B



### Cleaning brushes

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

Description	Packaging	Cat. No.
For barrels up to 1 mL	6 / pk	1.170.301
For 1, 2, 5 mL barrels	6 / pk	1.170.305
For 5, 10 mL barrels	6 / pk	1.170.320
Set of 6 nylon brushes, 2 each	6 / pk	1.170.300

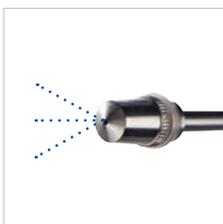


### Draw off needle

Draw off needle allows easy connection of aspiration tubing to a vial or to a hanging flexible pouch. Its sharp pointed tip easily pierces the rubber membrane. A lateral air inlet, protected by a filter blocks the entry of dust or particles.

Needle intended for single use only. It should be changed once removed from the vial to avoid risk of contamination.

Description	Packaging	Cat. No.
Draw off needle	6 / pk	1.187.590



### Cannulas with sprayer nozzle

Usable in versatile applications where spraying and nebulizing liquids are required. Available in short (180 mm) and long (500 mm) version. Made of chrome plated brass, Luer Lock, autoclavable.

Size (ø x L)	Packaging	Cat. No.
3.0 x 180 mm	1 pc	370.30180
3.0 x 500 mm	1 pc	370.30500



### Rigid extension tubing

Made of a rigid PVDF, the extension tubing is available in two lengths (20 and 35 cm). It significantly increases distance between hand and animal. Great safety when injecting through a grid, in a truck or simply to avoid bending down when vaccinating pigs.

Description	Packaging	Cat. No.
20 cm long	1 pc	1.187.20
35 cm long	1 pc	1.187.35



# Injection needles

**Swiss made, quality needles are intended for safe, precise animal injections. Extra sharp bevel and stainless steel material guarantee excellent durability.**

- Re-usable, autoclavable
- Large selection of sizes
- Packaging with sliding lid for easy and safe needle dispensing
- Cleaning rods included in the package



## High sharpness

Extremely sharp needle bevel enables painfree skin penetration for serial injections.



## Broad needle selection

Large selection of needle lengths and diameters covering almost all applications.



## Convenient packaging

A robust box with a sliding cover contains twelve needles, each thoughtfully spaced to ensure that only one needle falls out at a time upon opening. The label clearly identifies the sizes of the needles in millimeters and gauges, facilitating easy selection.



### Dimensions and ordering information

Size (ø x L) mm	Gauge x L inch	Packaging	Cat. No.
0.5 x 3	25G x 1/8"	12 / pk	371.0503
0.5 x 4	25G x 1/6"	12 / pk	371.0504
0.6 x 3	23G x 1/8"	12 / pk	371.0603
0.6 x 4	23G x 1/6"	12 / pk	371.0604
0.6 x 5	23G x 3/16"	12 / pk	371.0605
0.6 x 6	23G x 1/4"	12 / pk	371.0606
0.6 x 8	23G x 5/16"	12 / pk	371.0608
0.6 x 12	23G x 1/2"	12 / pk	371.0612
0.6 x 15	23G x 5/8"	12 / pk	371.0615
0.6 x 20	23G x 3/4"	12 / pk	371.0620
0.6 x 20	23G x 3/4"	12 / pk	371.0620
0.7 x 4	22G x 1/6"	12 / pk	371.0704
0.7 x 5	22G x 3/16"	12 / pk	371.0705
0.7 x 5	22G x 3/16"	12 / pk	371.0705
0.7 x 6	22G x 1/4"	12 / pk	371.0706
0.7 x 9	22G x 3/8"	12 / pk	371.0709
0.7 x 10	22G x 3/8"	12 / pk	371.0710
0.7 x 13	22G x 1/2"	12 / pk	371.0713

Size (ø x L) mm	Gauge x L inch	Packaging	Cat. No.
0.8 x 4	21G x 1/6"	12 / pk	371.0804
0.8 x 6	21G x 1/4"	12 / pk	371.0806
0.8 x 8	21G x 5/16"	12 / pk	371.0808
0.8 x 10	21G x 3/8"	12 / pk	371.0810
0.8 x 20	21G x 3/4"	12 / pk	371.0820
0.8 x 25	21G x 1"	12 / pk	371.0825
0.8 x 40	21G x 1 1/2"	12 / pk	371.0840
0.8 x 80	21G x 3 1/4"	12 / pk	371.0880
0.9 x 7	20G x 9/16"	12 / pk	371.0907
0.9 x 10	20G x 3/8"	12 / pk	371.0910
0.9 x 13	20G x 1/2"	12 / pk	371.0913
0.9 x 25	20G x 1"	12 / pk	371.0925
1.0 x 10	19G x 3/8"	12 / pk	371.1010
1.0 x 13	19G x 1/2"	12 / pk	371.1013
1.0 x 15	19G x 5/8"	12 / pk	371.1015
1.0 x 20	19G x 3/4"	12 / pk	371.1020
1.0 x 30	19G x 1 1/4"	12 / pk	371.1030

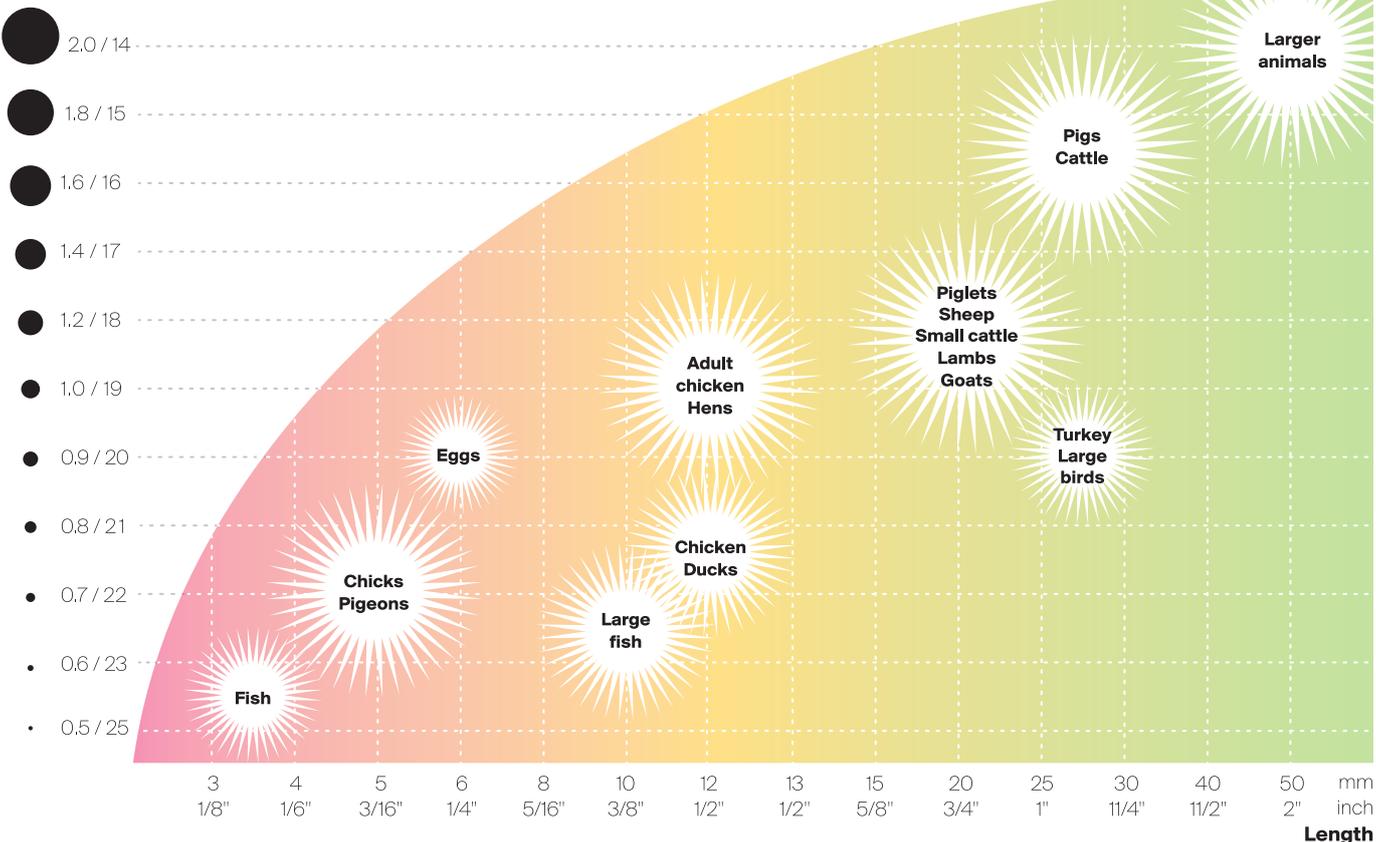
Size (ø x L) mm	Gauge x L inch	Packaging	Cat. No.
1.2 x 10	18G x 3/8"	12 / pk	371.1210
1.2 x 13	18G x 1/2"	12 / pk	371.1213
1.2 x 15	18G x 5/8"	12 / pk	371.1215
1.2 x 20	18G x 3/4"	12 / pk	371.1220
1.2 x 50	18G x 2"	12 / pk	371.1250
1.4 x 10	17G x 3/8"	12 / pk	371.1410
1.4 x 20	17G x 3/4"	12 / pk	371.1420
1.6 x 100	16G x 4"	12 / pk	371.16100
1.6 x 13	16G x 1/2"	12 / pk	371.1613
1.6 x 20	16G x 3/4"	12 / pk	371.1620
1.6 x 25	16G x 1"	12 / pk	371.1625
1.6 x 30	16G x 1 1/4"	12 / pk	371.1630
1.8 x 10	15G x 3/8"	12 / pk	371.1810
1.8 x 20	15G x 3/4"	12 / pk	371.1820
2.0 x 30	14G x 1 1/4"	12 / pk	371.2030
2.0 x 40	14G x 1 1/2"	12 / pk	371.2040
2.0 x 50	14G x 2"	12 / pk	371.2050

Other sizes available on request.

### Suggestion for needle selection

#### Diameter

mm / Gauges



Above information is given as suggestion. Adequate needle size depends on animal species, selected injection route and liquid characteristics. Refer to the manufacturer notice of the injected product to select the correct needle size.

## Practical information

### Recommendations

#### Quick checks before starting to work with syringe

- Plunger should work smoothly when pressing on the hand-crunch
- Tightness control at the valves can be verified by placing a finger at the valve inlet or outlet. You should feel suction at the inlet one and blow at the outlet one
- Check if you have all the Personal Protection Equipment required
- Prepare your work space (light, organization of working area, ergonomic positioning, etc.)
- Adapt the speed of work according to the animal species

#### Be careful when handling tools with needles

- Dispose the needles in special containers for sharp objects
- Use protective gloves (select gloves to maintain agility of the hand)

#### Proper way of storage between the vaccination campaigns

- Syringe should be cleaned, dried and reassembled
- Keep in stock a set of spare parts to fix the syringe quickly
- Store the syringe in the original reusable soft pouch

### Quick guides

Your professional syringe will serve you for many years when used and maintained properly.

Scan the code below to access the various documents and technical information for your syringe.



Access to quick guide  
*ultra 1810*



Access to quick guide  
*classic*  
187 / 287 / 167



Access to all documentation

### Videos

#### Cleaning and maintenance guidelines

- Proper maintenance guarantees trouble-free, long-term usage and optimal performance
- Socorex syringes are made of a few parts, easy to disassemble / reassemble. Fast access to all elements allows quick and efficient cleaning
- Sterilization fully assembled in boiling water or in an autoclave at 121 °C / 250 °F



Watch the video on syringe cleaning



Watch the video on how to prepare the syringe



Watch the video on shot counter



Access to our Youtube channel



## Area of application per syringe type

		classic 167 / 187 / 287 syringes							
		0,025-0,3 mL	0,1-0,5 mL	0,1-1 mL	0,3-2 mL	0,5-5 mL	1-10 mL		
		ultra 1810 syringe							
		0,02-0,1 mL	0,05-0,2 mL	0,05-0,3 mL	0,1-0,5 mL	0,1-1 mL	0,3-2 mL		
	Fish	●	●	◐	◐	◐	◐		
	Pigeons Chicken		●	◐	◐				
	Rabbits		●	◐	◐				
	Chicks		●	◐	◐				
	Ducks		●	◐	◐	◐			
	Poultry			◐	◐	◐			
	Eggs				◐	◐			
	Turkey Large birds Pigs, piglets				◐	◐	◐		
	Lambs Goats Sheep					◐	◐		
	Young cattle						◐	●	
	Cattle							●	●
	Horse, camel and other big animals								●

The information given in the table is meant as a general guide and may vary. The user is responsible for the proper choice of syringe model per application.

## Brands and trade names

Brands	Trade names	
Socorex®	Abacus™	ABF™
Isba®	FishGuide™	

### Important notice

Refer to package inserts for safety precautions, operating instructions and warranty terms.

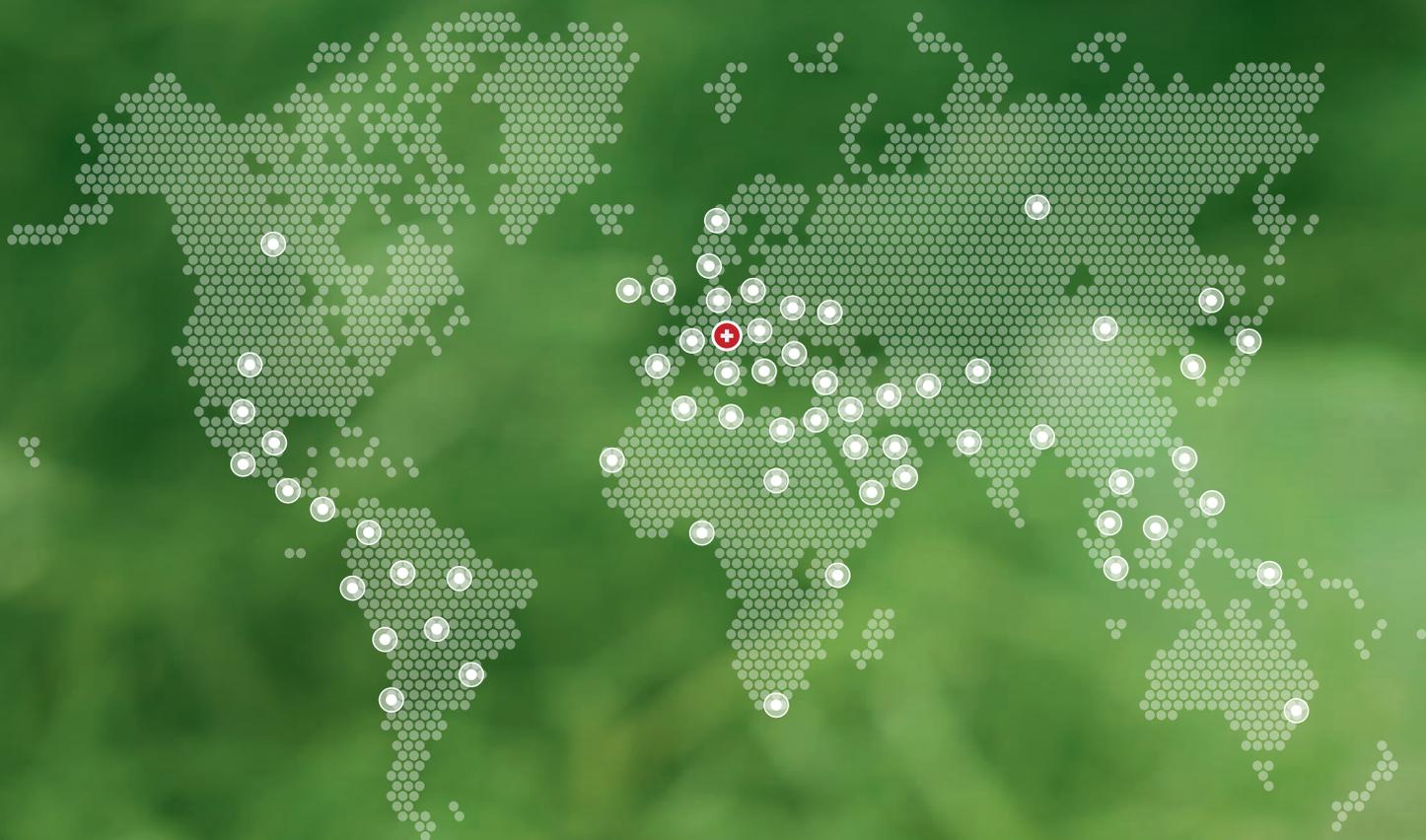
For animal use only, not intended for human injections.

User must pay special attention to possible hand fatigue during serial injections and its medical consequences such as repetitive strain injuries (RSI).

Mind risks involved in handling hazardous liquids with respect to personal, third party. Mind biohazardous and physical risks involved in handling syringes and injectables, with respect to operator, third party, animal and environment protection and safety.

Products and specifications are subject to change without prior notice.





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