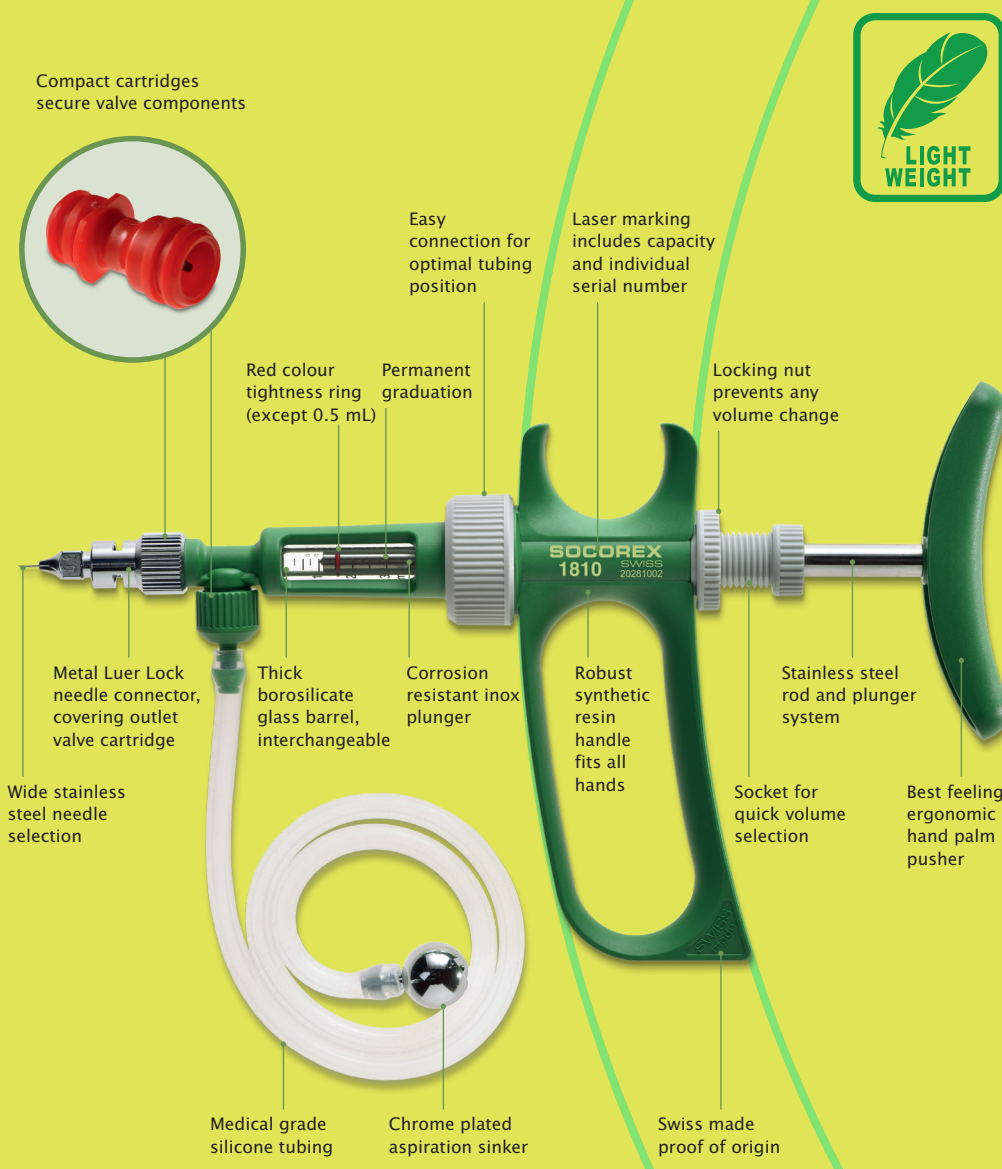


# Socorex® *ultra*

injections going smaller

## breaking down volume barriers > micro range lasting syringes



An extension of the Socorex® *original* models, the 1810 *ultra* syringe line opens new doors in animal injections. Extremely robust, yet light in weight, the instruments deliver highly precise doses setting new standards in micro volumes. Four models stretch volume selection from 0.02 mL to 0.5 mL (0.02 cc to 0.5 cc).

### Features and benefits :

- Superior, long-lasting quality
- Light weight and soft activation
- High metrologic performance for new injection applications
- Suitable for micro-volumes of most vaccines and medications
- Easy disassembling and maintenance
- Autoclavable fully assembled



## The Socorex® *ultra* model 1810

### Fields of application and viscosity data

Micro-range volumes open new doors in small animals injections.

Capacity mL	Volume range mL	Example of animal specie applications	Max. kinematic viscosity (cst)
0.1	0.02 - 0.1	Fish, pigeons	200 (up to 300) <sup>1)</sup>
0.2	0.05 - 0.2	Fish, rabbits, chicks	200 (up to 300) <sup>1)</sup>
0.3	0.05 - 0.3	Chicken, ducks, piglets	200 (up to 300) <sup>1)</sup>
0.5	0.1 - 0.5	Chicken, goose, piglets	200 (up to 300) <sup>1)</sup>

Cinematic viscosity in centistokes (cst). Dynamic viscosity in centipoises (cps) obtained by multiplying cinematic viscosity by liquid density (kg/dm<sup>3</sup>). <sup>1)</sup> Performance data and viscosity limit are related to selected liquid and needle size.



# Socorex® ultra

injections going smaller

## Superior material selection

Carefully selected materials provide high resistance and durability.

Parts in contact with liquid	Materials
Sinker, feed cannula	NiCr brass
Feed tubing	Silicone
Valve cartridge	PP, FPM, stainless steel
Barrel (0.1 - 0.3 mL)	Borosilicate 3.3 glass
Barrel (0.5 mL)	Soda lime AR glass
Plunger	Stainless steel
Plunger O-ring	FPM
Washer, barrel	FPM
Luer Lock nozzle	Ni-Cr brass
Body, handle, socket, pusher	Modified Polyamid

## Optimal ergonomics and performance

Chart below details plunger stroke and performance for minimal, mid-range and maximal volumes of the four syringe capacities. Use these data to identify ideal volume/stroke combinations in order to ensure best working comfort.

Syringe capacity mL	Syringe stroke and performance (CV%)								
	Min. vol.			Mid. vol.			Max. vol.		
	Volume mL	Stroke mm	CV%	Volume mL	Stroke mm	CV%	Volume mL	Stroke mm	CV%
0.1	0.02	4.0	<1.8%	0.05	9.5	<1.2%	0.1	19.5	<0.5%
0.2	0.05	6.0	<1.6%	0.1	11.5	<1.0%	0.2	23.0	<0.5%
0.3	0.05	3.5	<1.4%	0.15	10.5	<0.9%	0.3	21	<0.45%
0.5	0.1	4.5	<1.2%	0.25	11.5	<0.8%	0.5	22.5	<0.4%

Performance data may vary based on liquid type and needle size.

## Ordering information - Instruments

Supplied with 1m feed tubing, sinker, feed needle, vent cannula, spare bag with barrel O-ring, plunger O-ring and guide (except 0.5 mL), operating instructions.

Capacity mL	Volume range mL	Division mL	Cat. No.
0.1	0.02 - 0.1	0.005	1810.2.05001
0.2	0.05 - 0.2	0.01	1810.2.05002
0.3	0.05 - 0.3	0.025	1810.2.05003
0.5	0.1 - 0.5	0.05	1810.2.05005

## Ordering information - Spare parts

Capacity mL	Spare parts, Cat. No.					
	Glass barrels 6 / pk	Plungers 1 / pk	O-ring 10 / pk	Feed tubing 1m	Inlet valve 1 / pk	Outlet valve 1 / pk
0.1	01810.001	01810.581	01810.951	01810.705	01810.915	01810.945
0.2	01810.002	01810.582	01810.952	01810.705	01810.915	01810.945
0.3	01810.003	01810.583	01810.953	01810.705	01810.915	01810.945
0.5	01810.005	01810.585	-	01810.705	01810.915	01810.945

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## Disassembling and maintenance

Syringes made of 9 main parts, easy to disassemble / reassemble.

Fast access to all elements allows quick and efficient cleaning and maintenance.

Sterilization fully assembled in boiling water or in autoclave at 121°C / 250 °F.



## Injection needles

Check selection of superior quality Luer Lock needles, regular bevel, stainless steel, autoclavable.



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