


# KRUUSE Large Animal Fluid Therapy



# Equipment for Enteral Fluid Administration

A black and white cow is grazing in a field next to a body of water. The cow is the central focus, with its head down, eating grass. The background shows a calm body of water and a grassy field under a clear sky.

Fluid therapy is a very important treatment in everyday veterinary practice. In some cases, it is lifesaving. Therefore, having the right tools is essential.

## Basic principles of fluid therapy in most clinical situations:

- Replace fluid deficits
- Supply maintenance fluid requirements
- Replace/match ongoing losses

## Setting up a fluid therapy plan requires evaluation of patient status to determine:

- Amount of fluid
- Type of fluids
- Rate and route of administration



- Enteral fluids are suitable for treatment of mild to moderately dehydrated patients with some intact intestinal epithelium and small intestinal motility
- In patients drinking voluntarily or tolerating nasal intubation the use of enteral fluids may elude the complications associated with intravenous fluid administration
- Advantages of providing enteral fluid over IV fluids, are that it is easily done in the field, without the need of sterile fluids and IV catheters, it carries a low risk of infection and is relatively inexpensive

# EQUIVET Electrolytes

The easy, economical, and effective way to bring a horse back to normal electrolyte levels. The formula is balanced for equine use.

- Ready-to-use mix for easy administration
- Mix with 5 litres of drinking water to administer fluid orally or enterally
- Can also be added to feed as dry mix
- Useful after high performance
- Useful for dehydration

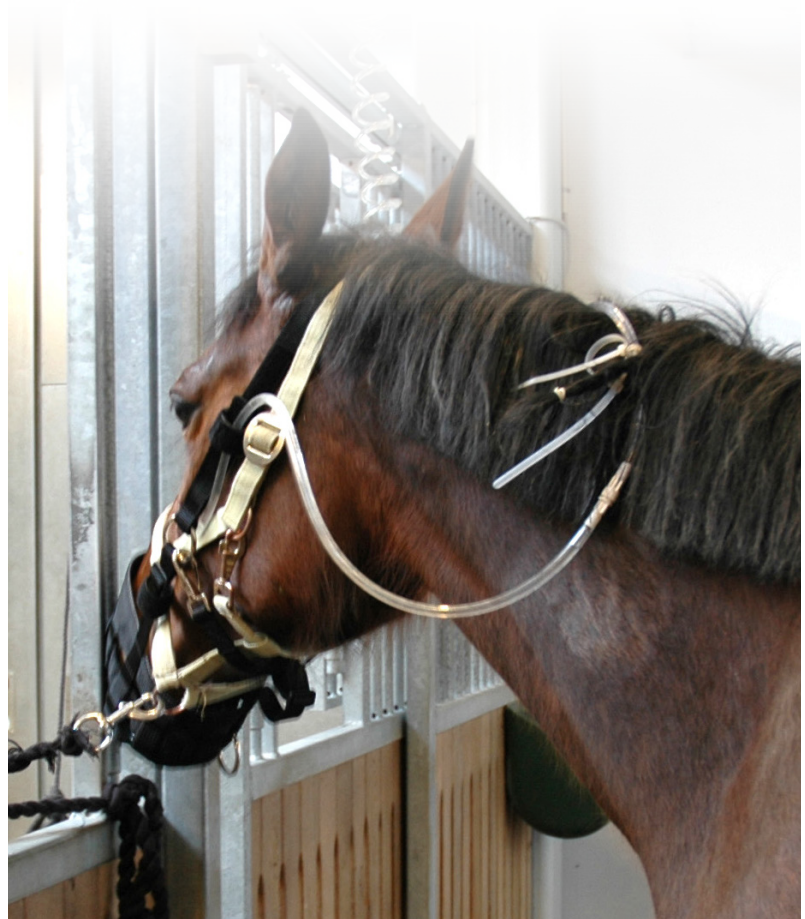
### A pouch contains:

- NaCl: 26.35 g
- KCl: 1.85 g
- NaHCO<sub>3</sub>: 18.9 g

ALSO  
USEFUL FOR  
CATTLE



Cat. No	Description	Package
230696	EQUIVET Electrolytes for enteral fluid	36 pouches



# EQUIVET Therapy Starter Kit

All you need for getting started on equine enteral fluid therapy.

The electrolyte solution is administered at a 5 litres/hour flow through the stomach tube. The stomach tube is kept in place with a muzzle and 2 hook and loop straps. The stomach tube is connected to the large bore fluid set, which is connected to the collapsible infuser combi-set bottles. Add one pouch of EQUIVET Electrolytes and 5 litres of drinking water to the combi-set bottle. Each pouch contains the correct amount for 5 litres of water.



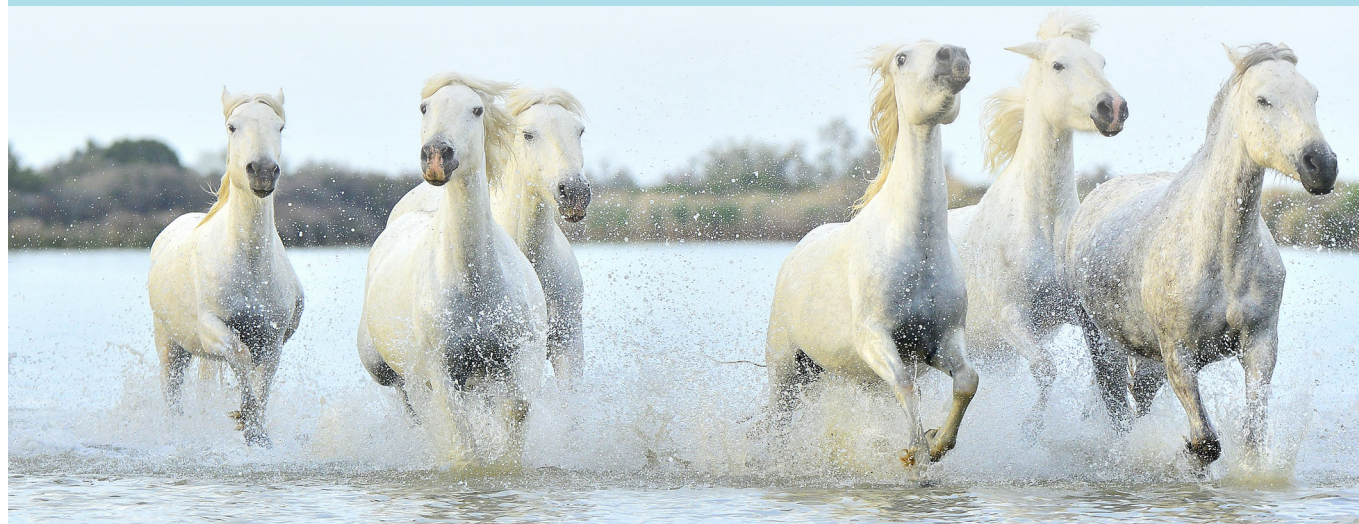
## The starter kit contains:

- 1 x EQUIVET Enteral Fluid Stomach Tube, PU
- 3 x EQUIVET muzzles in 3 sizes
- 2 x hook and loop straps
- 1 x EQUIVET Enteral Large Bore Fluid Set
- 2 x infuser combi-set bottles, 5 litres
- 1 x EQUIVET electrolytes for enteral fluid (box of 36 pouches)

Cat. No	Description
230695	EQUIVET Therapy Starter Kit

## Accessories

Cat. No	Description	Size
190278	EQUIVET Enteral Fluid Stomach Tube, PU	163.50 cm / 64"
230689	EQUIVET Enteral Large Bore Fluid Set	
230697	EQUIVET strap for enteral fluid therapy	
230520	Spare infuser plastic bottle, sterile	5 litres
230522	Rubber washer for infuser bottle	
210303	EQUIVET Muzzle	S
210304	EQUIVET Muzzle	M
210305	EQUIVET Muzzle	L



# IV Fluid Therapy



Intravenous Fluid Therapy is the only suitable route for administering fluids in moderately to severely hypovolemic patients to ensure quick restitution of decreased circulation. IV fluid therapy is also necessary when enteral fluids are impossible to administer.

## Selecting IV Catheters

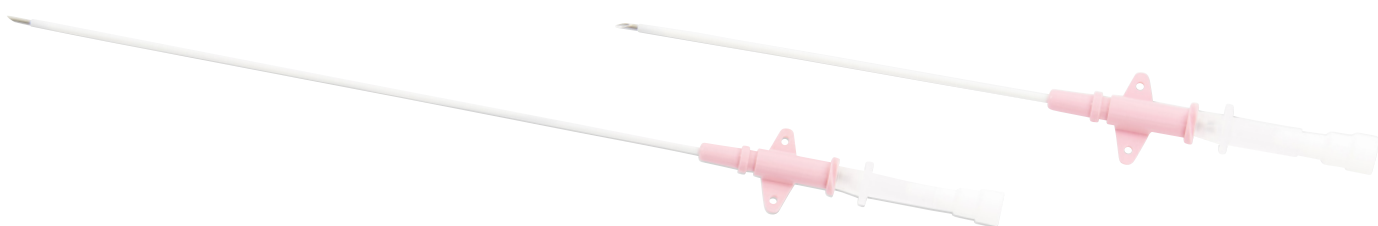
When selecting the appropriate IV catheter it is important to consider the following factors:

- Volume and rate of fluids
- Duration of catheterisation
- Type of fluids
- Patient risk factors for developing thrombosis

## Catheter Materials

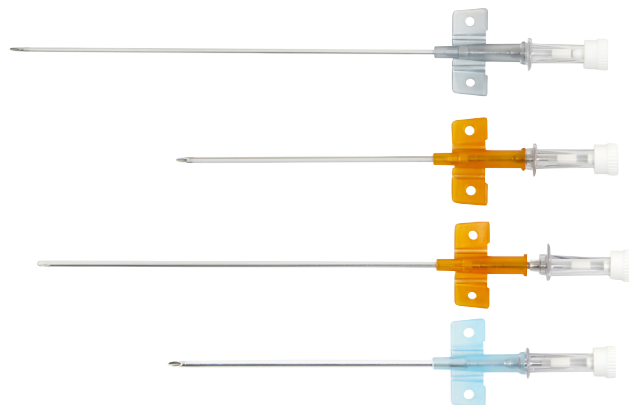
IV Catheters are available in various materials such as Polyethylene, Fluorinated ethylene Propylene (FEP) and Polyurethane (PU).

All Catheter materials incite some degree of inflammation, phlebitis and thrombophlebitis, and some materials are more thrombogenic than others.



## EQUIVET HiFlow Short Term IV Catheter

During short-term infusions, transfusions, and short-term fluid therapy and boluses it can be very useful to place a rigid IV catheter. Fluorinated ethylene Propylene (FEP) is more rigid and less costly.

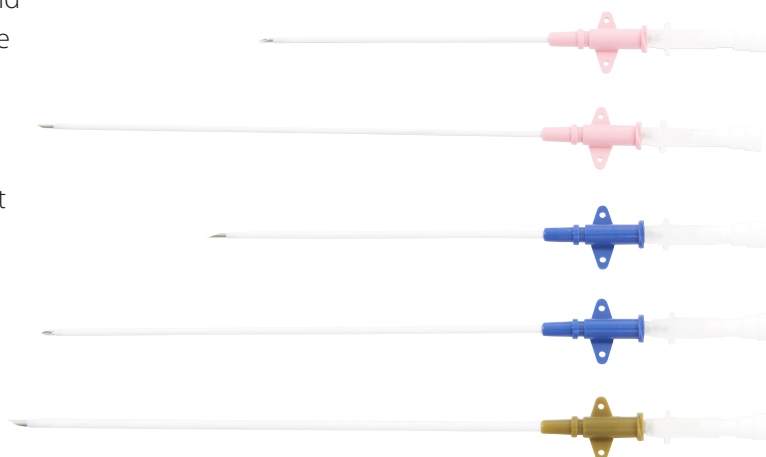


Cat. No	Description	Size, Metric	Size, Imperial	Package
122031	EQUIVET HiFlow Short Term IV catheter	13 cm	16G x 5.10"	10/pk
122032	EQUIVET HiFlow Short Term IV catheter	8 cm	14G x 3.10"	10/pk
122033	EQUIVET HiFlow Short Term IV catheter	13 cm	14G x 5.10"	10/pk
122034	EQUIVET HiFlow Short Term IV catheter	8 cm	12G x 3.10"	10/pk

## EQUIVET HiFlow Long-Term IV Catheter

Softer materials tend to cause less inflammation and are therefore less thrombogenic and can stay in the vein for more than 20 days, if aseptic procedures are maintained.

Polyurethane is very soft, least thrombogenic, most flexible, and least likely to kink, and is therefore appropriate for long-term use.



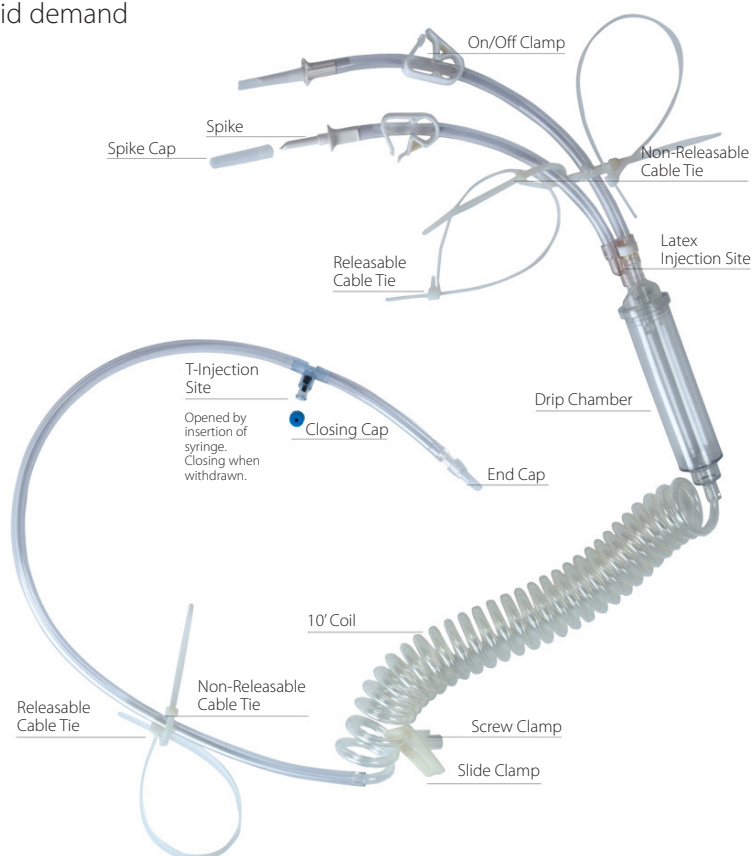
Cat. No	Description	Size, Metric	Size, Imperial	Package
122000	EQUIVET HiFlow Long-Term IV catheter	9 cm	16G x 3.50"	10/pk
122001	EQUIVET HiFlow Long-Term IV catheter	13.5 cm	16G x 5.25"	10/pk
122005	EQUIVET HiFlow Long-Term IV catheter	9 cm	14G x 3.50"	10/pk
122010	EQUIVET HiFlow Long-Term IV catheter	13.5 cm	14G x 5.25"	10/pk
122015	EQUIVET HiFlow Long-Term IV catheter	13.5 cm	12G x 5.25"	10/pk

# EQUIVET Large Bore IV Administration Set

Large animals such as horses and cattle may require tremendous amounts of IV fluids during a short period of time. Conventional smaller IV sets cannot meet the fluid demand of e.g., a 600 kg horse.

This volume is necessary in severe colic and critical care emergencies.

The diameter of the large bore system is twice the diameter of conventional IV drips. This translates into 16 times the flow rate of the conventional IV sets.



*The Large Bore IV Set increases flow rate up to 10 litres per hour at a drop rate of 16/ml*

Cat. No	Description	Package
230692	EQUIVET Large Bore IV administration set, sterile	10/pk

# EQUIVET Infusion Bag Swivel

Rotating 5 hanger bag swivel allows the patient to move freely without dislodging or entangling the IV set.



Cat. No	Description
230680	EQUIVET Infusion Bag Swivel

## KRUUSE SafeVet Connect

KRUUSE SafeVet Connect extension lines provide needle-free, safe, and easy infusion therapy and drug administration. The needle-free connectors minimise movement at cannulation and reduce risks of irritation and infection.



Cat. No	Description	Size, Metric	Size, Imperial	Package
230155	KRUUSE SafeVet Connect Mono (single port)	10 cm	3,9"	50/pk
230156	KRUUSE SafeVet Connect Duo (double port)	13 cm	5,1"	50/pk

## KRUUSE Y-extension Tube with Three-way Tap

### Easy fluid administration

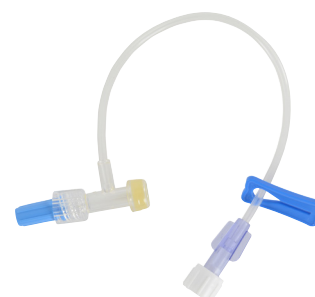
The extension tube has a 3-way stop cock at one end, enabling you to turn infusion on and off. The rotating male Luer Lock at the other end eases attachment and ensures free movement.



Cat. No	Description	Size, Metric	Size, Imperial	Package
230651	KRUUSE Y-extension Tube with Three-way Tap	10 cm	4"	40/pk

## KRUUSE T-connector

The KRUUSE T-connector connects two IV administration devices at the desired angles, allowing for easier IV administration. In addition, the injection port provides another access point for periodic injections.



Cat. No	Description	Size, Metric	Size, Imperial	Package
230142	KRUUSE T-connector	15 cm	6"	50/pk

## KRUUSE Three-way Tap, sterile

The device has a minimum priming volume, which is required for accurate drug administration. The channel is transparent for improved visibility of the fluids.



Cat. No	Description	Package
230648	KRUUSE Three-way Tap, sterile	50/pk

## KRUUSE SafeVet Injection Site

**Reduce needlestick injuries with easier and safer access.**

The KRUUSE SafeVet Injection Site is fixed to the IV catheter instead of the usual cap or stylet. Once in place, the clinical staff can give injections through the needle-free valve without removing it from the IV catheter.

Needle-free injection reduces the amount of stick injuries.



Cat. No	Description	Package
230161	KRUUSE SafeVet Injection Site	50/pk

## KRUUSE Heparin Cap

**Fast and easy medicine administration.**

The KRUUSE Heparin Cap is intended for use attached to an IV catheter instead of the usual cap or stylet. Once in place, the clinical staff can give injections through the membrane without removing the cap, thus making the administration of medicine more effective. Individually packed in blisters.



Cat. No	Description	Package
230675	KRUUSE Heparin Cap	100/pk

