



## TECHNICAL NOTES



# Vytrate<sup>®</sup>

## Liquid Concentrate



### Composition

Each L contains  
Glucose **278.75 g**  
Sodium Chloride **53.44 g**  
Glycine **38.56 g**  
Potassium Phosphate Monobasic **25.53 g**  
Potassium Citrate **0.75 g**  
Citric Acid Monohydrate **3.28 g**

### Description

Clear yellow solution intended for oral administration after dilution with water to 12.5 times its original volume (one part Vytrate plus 11.5 parts water)

### Indications

Oral, non-antibiotic supportive treatment for replacement of lost fluids and electrolytes in scouring or dehydrated calves, pigs, lambs and foals. For diarrhoeic, dehydrated and convalescent dogs and cats, including those with debilitating viral disease such as canine parvovirus or feline panleucopaenia. Suitable as a first feed for bought in or stressed calves and pigs, and as an aid in the treatment of pregnancy toxemia in ewes.

### Disposal

When finished with the empty container, crush then recycle or dispose of at an authorised local landfill that does not burn; or bury to a depth of at least 500 mm at an approved disposal site. Do not burn.



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### Withholding Periods

**Meat** Zero (0) days

### Export Slaughter Interval

Zero (0) days

### Dosage and Administration

Following are directions for the preparation of commonly required dose volumes.

Measure the required volume of Vytrate Liquid Concentrate into the mixing vessel and make up to volume as required with clean, fresh drinking water. Replace cap firmly after use.

Mix Vytrate Liquid Concentrate with water in the ratios below.

Vytrate Liquid Concentrate	Water	Total Volume
40 mL	460 mL	500 mL
80 mL	920 mL	1000 mL
160 mL	1840 mL	2000 mL

1 Litre pack of Vytrate Liquid Concentrate makes a total of 12.5 Litres.

5 Litre pack of Vytrate Liquid Concentrate makes a total of 62.5 Litres.

20 Litre pack of Vytrate Liquid Concentrate makes a total of 250 Litres.

#### Calves

##### **Bought-in or Stressed Calves (not scouring).**

Feed 2 litres of solution, made up as directed, instead of milk as the first feed on arrival.

For the next scheduled feed, use 1 litre solution at the same time as, but not mixed with, milk or milk replacer.

Thereafter, feed normal diet. Adequate colostrum should be fed to calves.

##### **Scouring Calves**

Feed 1 to 1.5 litres of solution per 10 kg bodyweight daily, divided into two or more daily doses.

If scouring is established or severe, causing dehydration, the higher dose should be used initially and fed in three or four divided doses. 2 litres of diluted solution given morning and night will be adequate in many cases. Replace with fresh solution every 24 hours.

***To maintain adequate energy and nutrient intake, milk feeding should continue as normal during period of scouring. Diluted solution should be given between these milk feeds.***

Fresh drinking water should be available at all times.

Keep feeding utensils clean and avoid overfeeding.

Normal feeding should resume after the course of treatment.

Many scouring problems can be avoided by feeding adequate colostrum early in the calf's life.

Seek veterinary advice if blood is present or if scours persist beyond four days.





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### Pigs

#### Suckling Piglets

As soon as scouring signs appear, fresh diluted solution (prepared as above) should be made available, in a clean vessel, to the whole litter. A litter of 1 week old piglets will consume approximately 2-3 litres per day. The amount consumed will increase with the age of the piglets. Piglets may be dosed individually, by giving 20 to 30 mL diluted solution 3 or 4 times a day, taking care to avoid choking. Take care to ensure that piglets are not left without diluted solution, drinking water, or sow's milk.

Check the supply of solution every 12 hours and replenish if necessary.

#### Weaned Pigs

Scouring weaned pigs should have fresh diluted solution available in a suitable clean vessel. Restrict solid feed intake for one or two days, but continue to supply fresh drinking water.

As a general guide, weaners will consume 1-2 litres/ weaner/ day.

#### Duration of treatment (all pigs)

Diluted solution should be made available for 4 days, but if the scour has not cleared completely, treatment may be continued for up to 8 days in total. If there is no sign of improvement, consult a veterinary surgeon.

#### Periods of stress

For the 2 to 3 days following any period of stress (eg weaning, transport), Vytrate will help to increase fluid and electrolyte consumption and absorption, so minimising any possible setback. As diluted solution is extremely palatable and excessive drinking may occur, diluted solution at half the strength recommended above may be used, for this indication only. Replace with fresh solution every 24 hours.

### Sheep

#### Scouring Lambs

Give 150 to 200 mL fresh diluted solution 2 to 4 times daily as required. The solution should be adjusted to body heat and given via a feeding bottle and teat. The lamb should also suck the ewe. Unused diluted solution may be kept in a clean container below 25°C but should be replaced with fresh solution every 24 hours.

*To maintain adequate energy and nutrient intake, milk feeding should continue as normal during period of scouring. Diluted solution should be given between these milk feeds.*

#### Pregnancy Toxaemia in Ewes

Administer 160 mL UNDILUTED solution using suitable drenching equipment. Repeat at 4 to 6 hour intervals as necessary. Prompt treatment as soon as signs appear improves the likelihood of a complete recovery.

### Horses

#### Foals

Administer diluted solution, made up as directed, orally to scouring or dehydrated foals by drenching using a bottle or stomach tube. As a guide, 1 to 2 litres of fresh diluted solution 2 to 3 times daily, depending on bodyweight and severity of the symptoms, has been reported as a suitable dosage regimen for neonatal foals.





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### Cats, Dogs

Many dogs find Vytrate palatable and will drink the solution voluntarily. Palatability for cats is variable. Vytrate may also be administered orally via dosage syringe. Treatment should be continued for 1 to two days after the animal appears clinically recovered and is feeding normally. As a guide, the following dosage regimens of prepared Vytrate solution are recommended.

#### Cats, miniature dogs (<5 kg)

125 mL 2-3 times daily

#### Small dogs (5 - 10 kg)

250 mL 2-3 times daily

#### Medium dogs (11 - 20 kg)

500 mL 2-3 times daily

#### Large dogs (>20 kg)

750 mL 2-3 times daily

### Note

When specific disease control (ie antibiotic therapy) is indicated, it can be administered in conjunction with Vytrate. Stressed and scouring animals requiring rehydration are at risk of multiple organ dysfunction. It is strongly recommended that veterinary advice is sought when considering treating dehydrated animals.

### Presentation

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Liquid concentrate: 1 L, 5 L, 20 L

### Storage

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Store below 25°C (air conditioning). Away from direct sunlight. Replace cap tightly once bottle has been opened. Unused diluted solution may be kept in a clean container below 25°C but should be replaced with fresh solution every 24 hours.

### Poisons Schedule

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Not scheduled

### Registration Number

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APVMA No. 53841

