Vetivex®

Veterinary pHyLyte™ Injection pH 7.4

(Multiple Electrolytes Injection, Type 1, USP)

AVAILABLE From Dechra Veterinary Products in 1000 mL, 3000 mL and 5000 mL Bags

Solutions for Your Patients, Great & Small

- Vetivex® Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) is indicated as a source of water and electrolytes or as an alkalinizing agent
- Vetivex® Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP), is made to USP standards, thus it has the exact electrolyte profile as PLASMA-LYTE® A Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP)
- For smaller patients, available in 1000 mL PVC Free, DEHP Free and Latex Free bags with two color-coded, identical, dual-purpose ports which can be utilized for insertion of the administration set spike or for injection of additives to the fluid
- Available in 3000 and 5000 mL Latex Free bags with color-coded ports. The 5000 mL bag has three ports, two for insertion of the administration spike, a third for injection of additives to the bag.
- Graduations on 1000 mL, 3000 mL and 5000 mL bags

TO ORDER, CALL YOUR DECHRA OR DISTRIBUTOR REP OR CALL (866) 683-0660
www.dechra-us.com

Dechra Veterinary Technical Services

24 hr. support available at (866) 933-2472 or contact us at support@dechra.com for non-urgent questions.

CAUTION: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

Dechra
Veterinary Products

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Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP)

For Animal Use Only

Description:
Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) is a sterile, nonpyrogenic isotonic solution for fluid and electrolyte replenishment in single dose containers for intravenous administration. It contains no antimicrobial agents or preservatives. Discard unused portion. The pH is adjusted with sodium hydroxide.

Table 1: Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP)

	Composition (mg/100mL)							Ionic Concentration (mEq/L)						kcal/L
Size (mL)	Sodium Chloride, USP ($NaCl$)	Sodium Gluconate, USP ($C_6H_{11}NaO_7$)	Sodium Acetate Trihydrate, USP ($C_2H_3NaO_2 \cdot 3H_2O$)	Potassium Chloride, USP (KCl)	Magnesium Chloride, USP ($MgCl_2 \cdot 6H_2O$)	Osmolarity (mOsmol/L) (calc)	pH	Sodium	Potassium	Magnesium	Chloride	Acetate	Gluconate	Caloric Content
1000	526	502	368	37	30	294	7.4 (6.5 to 8.0)	140	5	3	98	27	23	21
3000														
5000														

Clinical Pharmacology: Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) administered intravenously has value as a source of water and electrolytes. It is capable of inducing diuresis, depending on the clinical condition of the patient.

Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) produces a metabolic alkalinizing effect. Acetate and gluconate ions are metabolized ultimately to carbon dioxide and water, which requires the consumption of hydrogen cations.

Indications and Usage: Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) is indicated as a source of water and electrolytes or as an alkalinizing agent.

Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) is compatible with blood or blood components. It may be administered prior to or following the infusion of blood through the same administration set (i.e. as a priming solution), added to or infused concurrently with blood components, or used as a diluent in the transfusion of packed erythrocytes. Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) and 0.9% Sodium Chloride Injection, USP are equally compatible with blood or blood components.

Contraindications: None known.

Warnings: Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) should be used with great care, if at all, in patients with congestive heart failure, severe renal insufficiency, and in clinical states in which there exists edema with sodium retention.

Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) should be used with great care, if at all, in patients with hyperkalemia, severe renal failure, and in conditions in which potassium retention is present.

Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) should be used with great care in patients with metabolic or respiratory alkalosis. The administration of acetate or gluconate ions should be done with great care in those conditions in which there is an increased level or an impaired utilization of these ions, such as severe hepatic insufficiency.

The intravenous administration of Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) can cause fluid and/or solute overloading resulting in dilution of serum electrolyte concentrations, overhydration, congested states, or pulmonary edema. The risk of dilutional states is inversely proportional to the electrolyte concentrations of the injection. The risk of solute overload causing congested states with peripheral and pulmonary edema is directly proportional to the electrolyte concentrations of the injection.

In patients with diminished renal function, administration of Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) may result in sodium or potassium retention.

Adverse Reactions: Reactions which may occur because of the solution or the technique of administration include febrile response, infection at the site of injection, venous thrombosis or phlebitis extending from the site of injection, extravasation, and hypervolemia. If an adverse reaction does occur, discontinue the infusion, evaluate the patient, institute appropriate therapeutic countermeasures and save the remainder of the fluid for examination if deemed necessary.

Precautions: Clinical evaluation and periodic laboratory determinations are necessary to monitor changes in fluid balance, electrolyte concentrations, and acid base balance during prolonged parenteral therapy or whenever the condition of the patient warrants such evaluation.

Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) should be used with caution. Excess administration may result in metabolic alkalosis.

Caution must be exercised in the administration of Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) to patients receiving corticosteroids or corticotropin.

Do not administer unless solution is clear and seal is intact.

Dosage and Administration:
As directed by a veterinarian. Dosage is dependent upon the age, weight and clinical condition of the patient as well as laboratory determinations.

Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration whenever solution and container permit.

All injections in plastic containers are intended for intravenous administration using sterile equipment.

Additives may be incompatible. Complete information is not available. Those additives known to be incompatible should not be used. Consult with pharmacist, if available.

If, in the informed judgment of the veterinarian, it is deemed advisable to introduce additives, use aseptic technique.

Mix thoroughly when additives have been introduced. Do not store solutions containing additives. Discard unused portion.

Overdosage:
In an event of overhydration or solute overload, re-evaluate the patient and institute appropriate corrective measures. See Warnings, Precautions and Adverse Events.

How Supplied: Veterinary pHyLyte™ Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) in plastic container is available as follows:

NDC Code	Volume
17033-501-01	1000 mL*
17033-501-03	3000 mL**
17033-501-05	5000 mL**

* PVC Free, DEHP Free and Latex Free Bag.
** The plastic container is fabricated from a specially formulated polyvinyl chloride.
The amount of water that can permeate from inside the container into the overwrap is insufficient to affect the solution significantly. Solutions in contact with the plastic container can leach out certain of its chemical components in very small amounts within the expiration period, e.g., di-2-ethylhexyl phthalate (DEHP), up to 5 parts per million. However, the safety of the plastic has been confirmed in animals according to USP biological tests for plastic containers, as well as tissue culture toxicity studies.

STORAGE: Exposure of pharmaceutical products to heat should be minimized. Avoid excessive heat. It is recommended the product be stored in the moisture barrier overwrap at room temperature (25ºC/77ºF); brief exposure up to 40ºC/104ºF does not adversely affect the product.

Directions for use of plastic container
To Open
Tear overwrap down side at slit and remove solution container. Some opacity of the plastic due to moisture absorption during the sterilization process may be observed. This is normal and does not affect the solution quality or safety. The opacity will diminish gradually. Check for minute leaks by squeezing inner bag firmly. If leaks are found, discard solution as sterility may be impaired.
If supplemental medication is desired, follow directions below.
Preparation for Administration
1. Suspend container from eyelet support.
2. Remove protector from outlet port at bottom of container.
3. Attach administration set. Refer to complete directions accompanying set.

To Add Medication
WARNING: Additives may be incompatible.
To add medication before solution administration
1. Prepare medication site.
2. Using syringe with 19 to 22 gauge needle, puncture resealable medication port and inject.
3. Mix solution and medication thoroughly. For high density medication such as potassium chloride, squeeze ports while ports are upright and mix thoroughly.

To add medication during solution administration
1. Close clamp on the administration set to stop the flow to the patient.
2. Prepare medication site.
3. Using syringe with 19 to 22 gauge needle, puncture resealable medication port and inject.
4. Remove container from IV pole and/or turn to an upright position.
5. Evacuate both ports by squeezing them while container is in the upright position.
6. Mix solution and medication thoroughly.
7. Return container to in-use position and continue administration.

CAUTION: Federal law (U.S.A.) restricts this drug to use by or on the order of a licensed veterinarian.

DISTRIBUTED BY:
Dechra Veterinary Products
7015 College Boulevard, Suite 525
Overland Park, KS 66211

Made in El Salvador.
For a copy of the Safety Data Sheet (SDS) or to report adverse reactions call Dechra Veterinary Products at (866) 933-2472.

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Veterinary Products

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