ORA-Plus®

www.Padagis.com

Oral Suspending Vehicle

ORA-Plus is a unique suspending vehicle used to simplify the process involved in the extemporaneous compounding of oral suspensions. Medicated powder can be incorporated into ORA-Plus to form elegant, uniform and physically stable suspensions.

Applications

ORA-Plus will retain its suspending properties when diluted up to 50% with water, flavoring agents, syrups or alcohol. Its versatility makes it ideal for:

- Pediatric suspensions
- Geriatric suspensions
- Naso-gastric preparations

How to Use

ORA-Plus can be used in a combination with any flavoring syrup, but it is specially formulated to complement Perrigo's ORA-Sweet®. ORA-Plus and ORA-Sweet can be combined in a 50/50 ratio to produce a pleasant tasting elegant suspension.

Properties

ORA-Plus is an aqueous-based vehicle consisting of a synergistic blend of suspending agents that have a high degree of colloidal activity. The suspending agents form a structured, gel-like matrix which suspends particles and allow for little settling. ORA-Plus is buffered to a slightly acidic pH to help reduce degradation of medicinal agents through oxidation. An anti-foam agent is incorporated in ORA-Plus to allow for vigorous shaking with minimal foam.

Contains:

Purified water, microcrystalline cellulose, carboxymethylcellulose sodium, xanthan gum, carrageenan, calcium sulfate, trisodium phosphate, citric acid and sodium phosphate as buffers, dimethicone antifoam emulsion. Preserved with methylparaben and potassium sorbate.

Specifications

Appearance: Translucent, milky white, thixotropic liquid

pH range: 4.0 - 4.5

Taste: Very bland taste (no sweeteners or flavors)

Viscosity: Thixotropic. Range 400 - 6700 cps at 25ºC via Brookfield viscometer

Osmolality: Approximately 157 mOsm/kg

Available through your wholesaler or distributor.

Perrigo®

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Compounding Examples

BACLOFEN 10 mg/mL, 120 mL[1]

Baclofen 10 mg/tablet	120 tablets
ORA-Plus	60 mL
ORA-Sweet*	q.s. 120 mL

- Expiration 60 days
- Protect from light
- Shake well before using

DILTIAZEM HYDROCHLORIDE 12 mg/mL, 120 mL[1]

Diltiazem HCl 90 mg/tablet	16 tablets
ORA-Plus	60 mL
ORA-Sweet*	q.s. 120 mL

- Expiration 60 days
- Protect from light
- Shake well before using

ENALAPRIL MALEATE 1 mg/mL, 120 mL[2]

Enalapril Maleate 20 mg/tablet	6 tablets
ORA-Plus	60 mL
ORA-Sweet*	q.s. 120 mL

- Expiration 60 days
- Protect from light
- Shake well before using

CAPTOPRIL 0.75 mg/mL, 134 mL[1]

Captopril 100 mg/tablet	1 tablet
ORA-Plus	67 mL
ORA-Sweet*	q.s. 134 mL

- Expiration is 7 days at 25°C or 14 days at 4°C
- If ORA-Sweet SF is used, expiration is 5 days at 25°C or 10 days at 4°C
- Protect from light
- Shake well before using

DIPYRIDAMOLE 10 mg/mL, 120 mL[1]

Dipyridamole 50 mg/tablet	24 tablets
ORA-Plus	60 mL
ORA-Sweet*	q.s. 120 mL

- Expiration 60 days
- Protect from light
- Shake well before using

FLECAINIDE ACETATE 20 mg/mL, 120 mL[1]

Flecainide Acetate 100 mg/tablet	24 tablets
ORA-Plus	60 mL
ORA-Sweet*	q.s. 120 mL

- Expiration 60 days
- Protect from light
- Shake well before using

General Directions for Compounding ORA-Sweet*/ORA-Plus Suspensions

ORA-Sweet and ORA-Plus should be combined in a 50/50 ratio to achieve optimal formulation.

- Calculate the total amount of active ingredient and volume of solution needed to create a suspension of the proper concentration. (Calculations are provided in the examples to the left.) *It may be wise to add approximately 10% overage for compounding losses.*
- Crush tablets with a mortar and pestle to a fine powder. If the compound is already in the powder form, use the mortar and pestle to smooth out the powder.
- Add a small amount of **ORA-Plus** and triturate to a thick, smooth paste. Add the remainder of the **ORA-Plus** by geometric dilution. *The amount of ORA-Plus should be 50% of the total solution.*
- Bring the suspension to a final volume using **ORA-Sweet***. Mix briefly with a mortar and pestle until a uniform suspension is formed.
- Dispense in a tight, light resistant amber bottle with appropriate labeling.
- Label with an expiration date. *If the stability of the medication in an oral suspension or syrup is unknown, conservative dating is suggested.*
- Depending on the medicinal agent used, label containers “Shake Well Before Using”, “Protect From Light”, and “Keep Refrigerated”.

*ORA-Sweet may be substituted with ORA-Sweet SF. Both products may be used in a 1:1 ratio with ORA-Plus.

[1]American Journal of Health-System Pharmacists 1996; 53:2179-84.

[2]American Journal of Health-System Pharmacists 1998; 55:1915-20.

Contraindications

ORA-Plus is contraindicated in persons who have shown hypersensitivity to any of the listed ingredients.

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