



COMPOUNDED B Complex (Thiamine HCl 100mg/ml, Dexpanthenol 2mg/ml, Riboflavin 5 Phosphate Sodium 2mg/ml, Pyridoxine HCl 2mg/ml, Niacinamide 100mg/ml) 30ml MDV

Vitamin B-Complex Injection is a sterile solution for intramuscular or slow intravenous injection comprised of vitamins which may be categorized as belonging to the vitamin B complex group. Each mL contains: Thiamine Hydrochloride 100 mg, Riboflavin 5' Phosphate Sodium 2 mg, Pyridoxine Hydrochloride 2 mg, Dexpanthenol 2 mg, Niacinamide 100 mg, with Benzyl Alcohol 0.9% as preservative, in Water for Injection. Sodium Hydroxide and/or Hydrochloric Acid may have been used to adjust pH.

Indications and Usage for Vitamin B Complex

In disorders requiring parenteral administration of vitamins, i.e. pre- and post-operative treatment, when requirements are increased as in fever, severe burns, increased metabolism, pregnancy, gastrointestinal disorders interfering with intake or absorption of vitamins, prolonged or wasting diseases, alcoholism and where other deficiencies exist.

B1 (thiamine). Thiamine plays an essential role in metabolism by helping convert nutrients into energy.

B2 (riboflavin). Riboflavin helps convert food into energy and acts as an antioxidant.

B3 (niacin). Niacin plays a role in cellular signaling, metabolism, and DNA production and repair.

B5 (pantothenic acid). Like other B vitamins, pantothenic acid helps your body obtain energy from food and is also involved in hormone and cholesterol production.

B6 (pyridoxine). Pyridoxine is involved in amino acid metabolism, red blood cell production, and the creation of neurotransmitters.

Contraindications

Sensitivity to the ingredients listed

Warnings

Anaphylactogenesis may occur with parenteral thiamine. Use with caution. An intradermal test dose is recommended prior to administration in patients suspected of being sensitive to the drug.

Precautions

The usual precautions for parenteral administration should be observed. Do not inject if precipitation occurs. Inject slowly by the intravenous route. High concentrations should be diluted using Normal Saline Injection when given intravenously.

Adverse Reactions/Side Effects

Mild transient diarrhea, polycythemia vera, peripheral vascular thrombosis, itching transitory exanthema, feeling of swelling of entire body, anaphylactic shock and death. Sensitivity to the ingredients listed may occur (see WARNINGS). Use should be discontinued upon observance of any untoward reaction. Pain upon intramuscular injection may be noted.

***If you have any questions, or concern about your medication,
please, don't hesitate to call us.***

This medication was shipped in a cooler or insulated bag with ice packs to preserve the integrity of the medication during transportation. If you suspect that your medication could have been tampered, or is damaged, or is outside the expected temperature, **DO NOT USE IT** and call the pharmacy to obtain advise.

Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration, whenever the solution and container permit (see HOW SUPPLIED).

Phase separation due to reduced solubility can occur under certain conditions of shipping or storage (e.g. accidental freezing), which may produce visible particles. Do not use product if these do not redissolve on warming to body temperature and shaking well. Refrigeration of the product may cause darkening of the solution due to the riboflavin content. The color does not affect the safety or efficacy of the product.

Storage

PROTECT FROM LIGHT:

Store in carton until contents are used.

Store under refrigeration 2° to 8°C (36° to 46°F).

Do not permit to freeze.

References:

<https://www.healthline.com/nutrition/vitamin-b-complex>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9662251/>

<https://www.webmd.com/diet/health-benefits-b-complex>

<https://www.epocrates.com/online/drugs/1887/thiamine-vitamin-b1#adult-dosing>