

M.V.I. ADULT- retinol, ergocalciferol, .alpha.-tocopherol acetate, dl-, phytonadione, ascorbic acid, niacinamide, riboflavin 5-phosphate sodium, thiamine hydrochloride, pyridoxine hydrochloride, dexpanthenol, biotin, folic acid, and cyanocobalamin
Hospira, Inc.

HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use M.V.I. ADULT™ safely and effectively. See full prescribing information for M.V.I. ADULT.

M.V.I. ADULT (multiple vitamins injection), for intravenous use
Initial U.S. Approval: 2004

INDICATIONS AND USAGE

M.V.I. Adult is a combination of vitamins indicated for prevention of vitamin deficiency in adults and pediatric patients aged 11 years and above receiving parenteral nutrition. (1)

DOSAGE AND ADMINISTRATION

- M.V.I. Adult is a combination product that contains the following vitamins: ascorbic acid, vitamin A, vitamin D, thiamine, riboflavin, pyridoxine, niacinamide, dexpanthenol, vitamin E, vitamin K, folic acid, biotin, and vitamin B₁₂. (2.1)
- Recommended daily dosage is 10 mL. (2.2)
- Administer by intravenous infusion after dilution. (2.1)
- Supplied as a single-dose and a pharmacy bulk package:
 - *M.V.I. Adult Single Dose*: consists of two vials labeled Vial 1 and Vial 2. Transfer contents of Vial 1 to Vial 2. The mixed solution (10 mL) will provide a single 10 mL dose. Use within 4 hours of puncture. (2.1, 2.3)
 - *M.V.I. Adult Pharmacy Bulk Package*: consists of two vials labeled Vial 1 and Vial 2. Transfer the contents of Vial 1 to Vial 2. The mixed solution (100 mL) will provide ten 10 mL single doses to patients in a pharmacy admixture program. Use within 4 hours of puncture. (2.1, 2.3)
- Prior to intravenous administration, dilute the once daily dose of 10 mL by adding to at least 500 to 1,000 mL intravenous parenteral nutrition solution containing dextrose or saline. (2.3)
- After dilution in an intravenous infusion, refrigerate resulting solution unless used immediately. Use solution within 24 hours after dilution. (2.3)
- Monitor blood vitamin concentrations. (2.4)
- See Full Prescribing Information for drug incompatibilities. (2.5)

DOSAGE FORMS AND STRENGTHS

- Injection (3):
 - Single dose: consists of two vials labeled Vial 1 (5 mL) and Vial 2 (5 mL).
 - Pharmacy bulk package: consists of two vials labeled Vial 1 (50 mL) and Vial 2 (50 mL).
- See Full Prescribing Information for vitamin strengths. (3, 11)

CONTRAINDICATIONS

- Hypersensitivity to any of the vitamins or excipients. (4)
- Existing hypervitaminosis. (4)

WARNINGS AND PRECAUTIONS

- *Decreased Anticoagulant Effect of Warfarin*: Periodically monitor prothrombin time/INR. (5.1)
- *Risk of Aluminum Toxicity*: For at risk patients (renal failure or those with prolonged therapy), periodically monitor aluminum levels with prolonged administration. (5.2)
- *Low Vitamin A levels*: Monitor vitamin A levels. (5.3)
- *Allergic Reactions*: to thiamine may occur. (5.4)
- *Hypervitaminosis A*: Patients with renal failure or liver disease may be at higher risk. (5.5)

- *Interferes with Megaloblastic Anemia Diagnosis:* Avoid use during testing for this disorder. (5.6)
- *Risk of Vitamin Deficiencies or Excess:* Monitor blood vitamin concentrations. (5.7)
- *False Negative Urine Glucose Tests:* May occur due to vitamin C. (5.8)

-----ADVERSE REACTIONS-----

Adverse reactions have included anaphylaxis, rash, erythema, pruritus, headache, dizziness, agitation, anxiety, diplopia. (6)

To report SUSPECTED ADVERSE REACTIONS, contact Hospira, Inc. at 1-800-441-4100, or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

-----DRUG INTERACTIONS-----

Effect of M.V.I. Adult on other drugs:

- *Phenytoin:* Folic acid may decrease phenytoin blood levels and increase the risk of seizure activity. (7.1)
- *Methotrexate:* Folic acid may decrease response to methotrexate. (7.1)
- *Levodopa:* Pyridoxine may decrease blood levels of levodopa and levodopa efficacy may decrease. (7.1)
- *Antibiotics:* Thiamine, riboflavin, pyridoxine, niacinamide, and ascorbic acid decrease activities of erythromycin, kanamycin, streptomycin, doxycycline, and lincomycin. (7.1)
- *Bleomycin:* Ascorbic acid and riboflavin may reduce the activity of bleomycin. (7.1)

Effects of other drugs on M.V.I. Adult:

- *Hydralazine, Isoniazid:* Concomitant administration of hydralazine or isoniazid may increase pyridoxine requirements. (7.2)
- *Phenytoin:* May decrease folic acid concentrations. (7.2)

-----USE IN SPECIFIC POPULATIONS-----

- *Pregnancy and Lactation:* Pregnant and lactating women should follow the U.S. Recommended Daily Allowances for their condition, because their vitamin requirements may exceed those of nonpregnant and nonlactating women. (8.1, 8.2)
- *Pediatric Use:* Safety and effectiveness in pediatric patients below the age of 11 years have not been established. (8.4)
- *Renal Impairment:* Monitor renal function, calcium, phosphorus and vitamin A levels. (8.6)
- *Hepatic Impairment:* Monitor vitamin A levels. (8.7)

See 17 for PATIENT COUNSELING INFORMATION.

Revised: 12/2020

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FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE

M.V.I. Adult™ is a combination of vitamins indicated for the prevention of vitamin deficiency in adults and pediatric patients aged 11 years and above receiving parenteral nutrition.

The physician should not await the development of clinical signs of vitamin deficiency before initiating vitamin therapy.

2 DOSAGE AND ADMINISTRATION

2.1 Important Dosage and Administration Instructions

M.V.I. Adult is a combination product that contains the following vitamins: ascorbic acid, vitamin A, vitamin D, thiamine, riboflavin, pyridoxine, niacinamide, dexpanthenol, vitamin E, vitamin K, folic acid, biotin, and vitamin B₁₂.

M.V.I. Adult is supplied as a single dose or as a pharmacy bulk package for intravenous use intended for administration by intravenous infusion after dilution:

- M.V.I. Adult Single Dose: consists of two vials which must be mixed prior to use. The mixed solution will provide a single 10 mL dose which must be diluted prior to

intravenous administration [see *Dosage and Administration (2.3)*].

- M.V.I. Adult Pharmacy Bulk Package: consists of two pharmacy bulk vials which must be mixed prior to use. The mixed solution will provide ten 10 mL single doses which must be diluted prior to intravenous administration. Pharmacy bulk package of M.V.I. Adult is intended for dispensing of single doses to multiple patients in a pharmacy admixture program and is restricted to the preparation of admixtures for infusion [see *Dosage and Administration (2.3)*].

Do not administer M.V.I. Adult as a direct, undiluted intravenous injection as it may cause dizziness, faintness, and tissue irritation.

2.2 Dosage Information

The recommended daily dosage volume is 10 mL. One daily dose (10 mL) is diluted by adding directly to a specified volume of an intravenous fluid [see *Dosage and Administration (2.3)*].

Patients with multiple vitamin deficiencies or with increased vitamin requirements may need multiple daily dosages as indicated or additional doses of individual vitamins.

2.3 Preparation and Administration Instructions

M.V.I. Adult supplied as a single dose:

- M.V.I Adult is to be used only in a suitable work area such as a laminar flow hood (or an equivalent clean air compounding area).
- Transfer the contents of Vial 1 (5 mL of solution) into the contents of Vial 2 (5 mL of solution). The mixed solution (10 mL) will provide a single 10 mL dose.
- Once the closure system has been penetrated, complete withdrawal of vial contents within 4 hours. Mixed solution may be stored for up to 4 hours refrigerated.
- Visually inspect for particulate matter and discoloration prior to intravenous administration.
- Utilizing a suitable sterile automated compounding device or dispensing pin for accuracy, aseptically transfer the 10 mL dose into a plastic or glass bottle containing at least 500 to 1,000 mL intravenous parenteral nutrition solution containing dextrose or saline.
- After M.V.I. Adult is diluted in an intravenous infusion, refrigerate the resulting solution unless it is to be used immediately, and use the solution within 24 hours after dilution.
- Minimize exposure to light because some of the vitamins in M.V.I. Adult, particularly A, D and riboflavin, are light sensitive.

M.V.I. Adult supplied as a pharmacy bulk package:

- M.V.I. Adult is to be used only in a suitable work area such as a laminar flow hood (or an equivalent clean air compounding area).
- Transfer the contents of Vial 1 (50 mL) into Vial 2 (50 mL). The mixed solution (100 mL) will provide ten 10 mL single doses to patients in a pharmacy admixture program.
- Each bulk vial closure shall be penetrated only one time with a suitable sterile transfer device or dispensing set that allows measured dispensing of the contents.

- Once the closure system has been penetrated, complete dispensing from the pharmacy bulk vial within 4 hours. Mixed solution may be stored for up to 4 hours refrigerated.
- Discard unused portion.
- Visually inspect for particulate matter and discoloration prior to administration.
- Utilizing a suitable sterile automated compounding device or dispensing pin for accuracy, aseptically transfer each 10 mL dose into a plastic or glass bottle containing at least 500 to 1,000 mL intravenous parenteral nutrition solution containing dextrose or saline.
- After M.V.I. Adult is diluted in an intravenous infusion, refrigerate the resulting solution unless it is to be used immediately, and use the solution within 24 hours after dilution.
- Minimize exposure to light because some of the vitamins in M.V.I. Adult, particularly A, D and riboflavin, are light sensitive.

2.4 Monitoring Vitamin Blood Levels

Blood vitamin concentrations should be monitored to ensure maintenance of adequate levels, particularly in patients receiving parenteral multivitamins as the only source of vitamins for long periods of time.

2.5 Drug Incompatibilities

- M.V.I. Adult is not physically compatible with moderately alkaline solutions such as a sodium bicarbonate solution and other alkaline drugs such as acetazolamide sodium, aminophylline, ampicillin sodium, and chlorothiazide sodium.
- Folic acid is unstable in the presence of calcium salts such as calcium gluconate.
- Vitamin A and thiamine in M.V.I. Adult may react with bisulfite solutions such as sodium bisulfite or vitamin K bisulfite. Do not add M.V.I. Adult directly to intravenous fat emulsions.
- Consult appropriate references for listings of physical and chemical compatibility of solutions and drugs with M.V.I. Adult. In such circumstances, admixture or Y-site administration with M.V.I. Adult should be avoided.

3 DOSAGE FORMS AND STRENGTHS

M.V.I. Adult is an injection available as a:

- Single dose: consisting of two vials labeled Vial 1 and Vial 2. Vial 1 is an amber vial containing a clear, amber to orange colored solution. Vial 2 is an amber vial containing a clear to light straw colored solution. Both vials must be mixed prior to use. The mixed solution (10 mL) will provide a single 10 mL dose [*see Dosage and Administration (2.3) and Description (11)*].
- Pharmacy bulk package: consisting of two vials labeled Vial 1 and Vial 2. Vial 1 is an amber vial containing a clear, amber to orange colored solution. Vial 2 is an amber vial containing a clear to light straw colored solution. Both vials must be mixed prior to use. The mixed solution (100 mL) will provide ten 10 mL single doses [*see Dosage and Administration (2.3)*].

See Description section for vitamin strengths [*see Description (11)*].

4 CONTRAINDICATIONS

M.V.I. Adult is contraindicated in patients who have:

- A history of known hypersensitivity to any of the vitamins or excipients in M.V.I. Adult [*see Warnings and Precautions (5.4), Adverse Reactions (6)*]
- An existing hypervitaminosis

5 WARNINGS AND PRECAUTIONS

5.1 Decreased Anticoagulant Effect of Warfarin

M.V.I. Adult contains Vitamin K which may decrease the anticoagulant effect of warfarin. In patients who are on warfarin anticoagulant therapy receiving M.V.I. Adult, prothrombin time/INR should be periodically monitored to determine if the dose of warfarin needs to be adjusted.

5.2 Aluminum Toxicity

M.V.I. Adult contains aluminum that may be toxic. Aluminum may reach toxic levels with prolonged parenteral administration in patients with renal impairment. Premature neonates are particularly at risk because their kidneys are immature, and they require large amounts of calcium and phosphate solutions, which contain aluminum.

Patients with impaired kidney function, including premature neonates, who receive parenteral levels of aluminum at greater than 4 to 5 micrograms per kg per day, accumulate aluminum at levels associated with central nervous system and bone toxicity. Tissue loading may occur at even lower rates of administration. To prevent aluminum toxicity monitor periodically aluminum levels with prolonged parenteral administration of M.V.I. Adult.

5.3 Risk of Low Vitamin A Levels

Vitamin A may adhere to plastic, resulting in lower vitamin A concentrations after administration of M.V.I. Adult. Therefore, blood vitamin concentrations should be periodically monitored and the administration of additional therapeutic doses of Vitamin A may be required.

5.4 Allergic Reactions to Thiamine

Allergic reactions such as urticaria, periorbital and digital edema, have been reported following intravenous administration of thiamine, which is found in M.V.I. Adult. There have been rare reports of anaphylaxis following intravenous doses of thiamine. No fatal anaphylaxis reactions associated with M.V.I. Adult have been reported.

5.5 Hypervitaminosis A

Hypervitaminosis A, manifested by nausea, vomiting, headache, dizziness, blurred vision, has been reported in patients with renal failure receiving 1.5 mg/day retinol and in patients with liver disease. Therefore, supplementation of renal failure patients and patients with liver diseases with vitamin A, an ingredient found in M.V.I. Adult, should be undertaken with caution [*see Use in Specific Populations (8.6, 8.7)*]. Blood levels of

Vitamin A should be monitored periodically.

5.6 Interference with Diagnosis of Megaloblastic Anemia

M.V.I. Adult contains folic acid and cyanocobalamin which can mask serum deficits of folic acid and cyanocobalamin in patients with megaloblastic anemia. Avoid the use of M.V.I. Adult in patients with suspected or diagnosed megaloblastic anemia prior to blood sampling for the detection of the folic acid and cyanocobalamin deficiencies.

5.7 Potential to Develop Vitamin Deficiencies or Excesses

In patients receiving parenteral multivitamins, such as with M.V.I. Adult, blood vitamin concentrations should be periodically monitored to determine if vitamin deficiencies or excesses are developing. M.V.I. Adult may not correct long-standing specific vitamin deficiencies. The administration of additional doses of specific vitamins may be required [see *Dosage and Administration (2.2)*].

5.8 Interference with Urine Glucose Testing

M.V.I. Adult contains Vitamin C which is also known as ascorbic acid. Ascorbic acid in the urine may cause false negative urine glucose determinations.

6 ADVERSE REACTIONS

The following adverse reactions are discussed in greater detail in other section of the labeling.

- Allergic Reactions to Thiamine [see *Warnings and Precautions (5.4)*].
- Hypervitaminosis A [see *Warnings and Precautions (5.5)*].

The following adverse reactions have been identified during post approval use of M.V.I. Adult. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

Dermatologic: rash, erythema, pruritus

CNS: headache, dizziness, agitation, anxiety

Ophthalmic: diplopia

7 DRUG INTERACTIONS

7.1 Effect of M.V.I. Adult on Other Drugs

Phenytoin: Folic acid may increase phenytoin metabolism and lower the serum concentration of phenytoin resulting in increased seizure activity.

Methotrexate: Folic acid may decrease a patient's response to methotrexate therapy.

Levodopa: Pyridoxine may increase the metabolism of levodopa (decrease blood level of levodopa) and decrease its efficacy.

Antibiotics: Thiamine, riboflavin, pyridoxine, niacinamide, and ascorbic acid decrease antibiotic activities of erythromycin, kanamycin, streptomycin, doxycycline, and

lincomycin.

Bleomycin: Ascorbic acid and riboflavin inactivate bleomycin *in vitro*, thus the activity of bleomycin may be reduced.

7.2 Effect of Other Drugs on M.V.I. Adult

Hydralazine or Isoniazid:

Concomitant administration of hydralazine or isoniazid may increase pyridoxine requirements.

Phenytoin:

Phenytoin may decrease serum folic acid concentrations.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Risk Summary

Administration of the approved recommended dose of M.V.I. Adult in parenteral nutrition is not expected to cause major birth defects, miscarriage, or adverse maternal or fetal outcomes. Pregnant women should follow the U.S. Recommended Daily Allowances for pregnancy because their vitamin requirements may exceed those of nonpregnant women. Deficiency of essential vitamins may result in adverse pregnancy outcomes (*see Clinical Considerations*). Animal reproduction studies have not been conducted with M.V.I. Adult administered by intravenous infusion.

The estimated background risk of major birth defects and miscarriage for the indicated population is unknown. All pregnancies have a background risk of birth defect, loss, or other adverse outcomes. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2 to 4% and 15 to 20%, respectively.

Clinical Considerations

Disease-Associated Maternal and/or Embryo/Fetal Risk

Deficiency of essential vitamins has been associated with adverse pregnancy and fetal outcomes, such as maternal folic acid deficiency and an increased risk of neural tube defects. Therefore, parental nutrition with multiple vitamins injection should be considered if a pregnant woman's nutritional requirements cannot be fulfilled by oral or enteral intake.

8.2 Lactation

Risk Summary

Multiple vitamins present in M.V.I. Adult are also present in human milk. Administration of the approved recommended dose of M.V.I. Adult in parenteral nutrition is not expected to cause harm to a breastfed infant. There is no information on the effects of M.V.I. Adult on milk production. Lactating women should follow the U.S. Recommended Daily Allowances for their condition, because their vitamin requirements may exceed those of

nonlactating women. The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for M.V.I. Adult and any potential adverse effects on the breastfed child from M.V.I. Adult or from the underlying maternal condition.

8.4 Pediatric Use

M.V.I. Adult is indicated for the prevention of vitamin deficiency in pediatric patients aged 11 years and older receiving parenteral nutrition. M.V.I. Adult is not indicated for use in pediatric patients below the age of 11 years.

8.5 Geriatric Use

Reported clinical experience has not identified differences in responses between the elderly and younger patients.

8.6 Renal Impairment

M.V.I. Adult has not been studied in patients with renal impairment. Monitor renal function, calcium, phosphorus and vitamin A levels in patients with renal impairment [see *Warnings and Precautions (5.2, 5.5)*].

8.7 Hepatic Impairment

M.V.I. Adult has not been studied in patients with hepatic impairment. Monitor vitamin A level in patients with liver disease or high alcohol consumption [see *Warnings and Precautions (5.5)*].

10 OVERDOSAGE

Signs and symptoms of acute or chronic overdosage may be those of individual M.V.I. Adult component toxicity. There is no clinical experience with M.V.I. Adult overdosage.

11 DESCRIPTION

M.V.I. Adult (multiple vitamins injection) is a sterile product consisting of two vials provided as a single dose or as a pharmacy bulk package for intravenous use intended for administration by intravenous infusion after dilution.

Table 1 provides the strengths of the vitamins provided in vial 1 and vial 2:

Table 1: M.V.I. ADULT FORMULATION (INTENDED FOR AGES 11 AND OLDER)

Vial 1*	
Fat Soluble Vitamins**	
Ingredient	Amount per Unit Dose
Vitamin A (retinol)	1 mg ^a
Vitamin D (ergocalciferol)	5 mcg ^b
Vitamin E (dl-alpha-tocopheryl acetate)	10 mg ^c
Vitamin K (phytonadione)	150 mcg
Water Soluble Vitamins	

Vitamin C (ascorbic acid)	200 mg
Niacinamide	40 mg
Vitamin B ₂ (as riboflavin 5-phosphate sodium)	3.6 mg
Vitamin B ₁ (thiamine)	6 mg
Vitamin B ₆ (pyridoxine HCl)	6 mg
Dexpanthenol (d-pantothenyl alcohol)	15 mg

* With 30% propylene glycol and 2% gentisic acid ethanolamide as stabilizers and preservatives; sodium hydroxide for pH adjustment; 1.6% polysorbate 80; 0.028% polysorbate 20; 0.002% butylated hydroxytoluene; 0.0005% butylated hydroxyanisole.

** Fat soluble vitamins A, D, E and K are water solubilized with polysorbate 80.

(a) 1 mg vitamin A equals 3,300 USP units.

(b) 5 mcg ergocalciferol equals 200 USP units.

(c) 10 mg vitamin E equals 10 USP units.

Vial 2*

Biotin	60 mcg
Folic acid	600 mcg
B ₁₂ (cyanocobalamin)	5 mcg

* With 30% propylene glycol; and citric acid, sodium citrate, and sodium hydroxide for pH adjustment.

Multiple vitamin preparation for intravenous infusion:

M.V.I. Adult (multiple vitamins injection) makes available a combination of fat-soluble and water-soluble vitamins in an aqueous solution, formulated for incorporation into intravenous infusions. The liposoluble vitamins A, D, E, and K have been solubilized in an aqueous medium with polysorbate 80, permitting intravenous administration of these vitamins.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenicity, mutagenicity and fertility studies were not performed.

16 HOW SUPPLIED/STORAGE AND HANDLING

M.V.I. ADULT is an injection supplied in the following package configurations:

M.V.I. ADULT Single-Dose

Unit of Sale	Each Box	Each Vial 1	Each Vial 2
NDC 61703-434-82	NDC 61703-434-01	NDC 61703-426-02	NDC 61703-430-02
Bundle of 10 Boxes of 2 vials (Vial 1 and Vial 2)	Box of 2 vials (Vial 1 and Vial 2)	10 Vitamin Blend, 5 mL	3 Vitamin Blend, 5 mL

Vial 1 is an amber vial containing a clear, amber to orange colored solution. Vial 2 is an amber vial containing a clear to light straw colored solution. Mix contents of Vial 1 and Vial 2 to provide a single 10 mL dose [see *Dosage and Administration (2.3)*].

M.V.I. ADULT Pharmacy Bulk Package

Unit of Sale	Intermediate Multi-Pack	Each Vial 1	Each Vial 2
NDC 61703-422-83 Case of 2 Boxes of 10 vials (5 Vial 1 and 5 Vial 2)	NDC 61703-422-78 Box of 10 vials (5 Vial 1 and 5 Vial 2)	NDC 61703-426-01 10 Vitamin Blend, 50 mL	NDC 61703-430-01 3 Vitamin Blend, 50 mL

Vial 1 is an amber vial containing a clear, amber to orange colored solution. Vial 2 is an amber vial containing a clear to light straw colored solution. Mix contents of Vial 1 and Vial 2 to provide ten 10 mL single doses [see *Dosage and Administration (2.3)*].

See Description section for vitamin strengths [see *Description (11)*].

Minimize the exposure of M.V.I. Adult to light, because vitamins A, D and riboflavin are light sensitive.

Store at 2-8°C (36-46°F).

17 PATIENT COUNSELING INFORMATION

Instruct patients (if age appropriate) and caregivers:

- To watch for and immediately report signs of allergic reactions (i.e. urticaria, periorbital and digital edema).
- To watch for and immediately report signs of hypervitaminosis A, manifested by nausea, vomiting, headache, dizziness, blurred vision, if patients have renal impairment.
- To report other adverse reactions such as rash, erythema, pruritus, headache, dizziness, agitation, anxiety, and diplopia.
- That patients on warfarin anticoagulant therapy will be monitored periodically for blood prothrombin/ INR levels to determine if the dose of warfarin needs to be adjusted.
- About the significance of periodic monitoring of blood vitamin concentrations to determine if vitamin deficiencies or excesses are developing.
- About the need to monitor renal function, calcium, phosphorus, aluminum, and vitamin A levels in patients with renal impairment.

Distributed by Hospira, Inc., Lake Forest, IL 60045 USA



PRINCIPAL DISPLAY PANEL - Kit Carton - NDC 61703-422-78

Sterile

Contents: 10 vials, 50 mL Fill each
(5 Vial 1 and 5 Vial 2)

Mix contents of Vial 1 with Vial 2 to provide 10 single doses.

NDC 61703-422-78

Rx only

M.V.I. ADULT™

(multiple vitamins injection)

PHARMACY BULK PACKAGE. NOT FOR DIRECT INFUSION.

See insert for important information on pharmacy bulk package.

Store under refrigeration, 2 - 8°C (36 - 46°F). Store Upright.

Hospira

Sterile
 Contents: 10 vials, 50 mL Fill each
 (5 Vial 1 and 5 Vial 2)
 Mix contents of Vial 1 with Vial 2 to provide 10 single doses.

NDC 61703-422-78

Rx only

M.V.I. ADULT™ (multiple vitamins injection)



PHARMACY BULK PACKAGE. NOT FOR DIRECT INFUSION.

See insert for important information on pharmacy bulk package.
 Store under refrigeration, 2 - 8°C (36 - 46°F). Store Upright.



NDC 61703-422-78

Rx only



Sterile
 Contents: 10 vials, 50 mL Fill each
 (5 Vial 1 and 5 Vial 2)
 Mix contents of Vial 1 with Vial 2 to provide 10 single doses.

M.V.I. ADULT™ (multiple vitamins injection)

**PHARMACY BULK PACKAGE.
 NOT FOR DIRECT INFUSION.**

See insert for important information on
 pharmacy bulk package.
 Store under refrigeration, 2 - 8°C
 (36 - 46°F). Store Upright.

NDC 61703-422-78

Rx only



PHARMACY BULK PACKAGE. NOT FOR DIRECT INFUSION.

M.V.I. ADULT™ (multiple vitamins injection)

Sterile
 Contents: 10 vials, 50 mL Fill each
 (5 Vial 1 and 5 Vial 2)
 Mix contents of Vial 1 with Vial 2 to provide 10 single doses.

Rx only

NDC 61703-422-78

Sterile
 Contents: 10 vials, 50 mL Fill each
 (5 Vial 1 and 5 Vial 2)
 Mix contents of Vial 1 with Vial 2 to provide 10 single doses.

M.V.I. ADULT™ (multiple vitamins injection)

NDC 61703-422-78

Rx only



Each 5 mL in Vial 1 provides:

Ascorbic acid (vitamin C)	200 mg
Vitamin A** (retinol)	1 mg
Ergocalciferol** (vitamin D)	5 mcg
Thiamine (vitamin B ₁) (as the hydrochloride)	6 mg
Riboflavin (vitamin B ₂) (as riboflavin-5-phosphate sodium)	3.6 mg
Pyridoxine HCl (vitamin B ₆)	6 mg
Niacinamide	40 mg
Dexpantenol (d-pantothenyl alcohol)	15 mg
Vitamin E** (dl-alpha tocopheryl acetate)	10 mg
Phytonadione** (vitamin K)	150 mcg

Each 5 mL in Vial 2 provides:

Biotin	60 mcg
Folic Acid	600 mcg
Cyanocobalamin (vitamin B ₁₂)	5 mcg

With 30% propylene glycol; and citric acid, sodium citrate, and sodium hydroxide for pH adjustment.

Transfer the contents of Vial 1 into Vial 2 to provide ten 10 mL single doses. Each 10 mL single dose should be diluted in not less than 500 mL of infusion fluid.

Once closure system has been compromised, withdrawal of contents should be completed within 4 hours.

**PHARMACY BULK PACKAGE.
NOT FOR DIRECT INFUSION.**

See Insert for Important Information on pharmacy bulk package.
Store under refrigeration, 2 - 8°C (36 - 46°F). Store Upright.



Hospira, Inc., Lake Forest, IL 60045 USA

CA-5953

CONTAINER CONTENTS SHOULD BE COMPLETED WITHIN 4 HOURS.
DISCARD UNUSED PORTION.
Consult package insert for dosage and full prescribing information.



Sterile
Contents: 10 vials, 50 mL Fill each
(5 Vial 1 and 5 Vial 2)
Mix contents of Vial 1 with Vial 2 to provide 10 single doses.

NDC 61703-422-78

Rx only

M.V.I. ADULT™
(multiple vitamins injection)



**PHARMACY BULK PACKAGE.
NOT FOR DIRECT INFUSION.**

See Insert for Important Information on
pharmacy bulk package.
Store under refrigeration, 2 - 8°C
(36 - 46°F). Store Upright.



PRINCIPAL DISPLAY PANEL - 50 mL Vial Label - NDC 61703-426-01

M.V.I. ADULT™
(multiple vitamins injection)

PHARMACY BULK PACKAGE. NOT FOR DIRECT INFUSION.

Vial 1
Rx only

50 mL Multiple Dose Vial, Sterile

**See insert for important information on pharmacy bulk
package.**

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

M.V.I. ADULT™
(multiple vitamins injection)

PHARMACY BULK PACKAGE. NOT FOR DIRECT INFUSION.

Vial 1 **Rx only**

50 mL Multiple Dose Vial, Sterile
See insert for important information on pharmacy bulk
package.
Store under refrigeration, 2-8°C (36-46°F).

Each 5 mL In Vial 1 provides:

Ascorbic Acid (C)	200 mg
Vitamin A (retinol)	1 mg
Ergocalciferol (D)	5 mcg
Thiamine (B ₁) (as the hydrochloride)	6 mg
Riboflavin (B ₂) (as riboflavin-5-phosphate sodium)	3.6 mg
Pyridoxine HCl (B ₆)	6 mg
Niacinamide	40 mg
Dexpanthenol (d-pantothenyl alcohol)	15 mg
Vitamin E (dl-alpha tocopheryl acetate)	10 mg
Vitamin K (phytonadione)	150 mcg

This product contains no more than 183 mcg/L of aluminum in combined vials 1 and 2.
Transfer the contents of Vial 1 into Vial 2 to provide ten 10 mL single doses. Each 10 mL single dose should be diluted in not less than 500 mL of infusion fluid. Once closure system has been compromised, withdrawal of container contents should be completed within 4 hours. DISCARD UNUSED PORTION.

Consult package insert for dosage and full prescribing information.

This product contains no more than 183 mcg/L of aluminum in combined vials 1 and 2.
Transfer the contents of Vial 1 into Vial 2 to provide ten 10 mL single doses. Each 10 mL single dose should be diluted in not less than 500 mL of infusion fluid. Once closure system has been compromised, withdrawal of container contents should be completed within 4 hours. DISCARD UNUSED PORTION.

Hospira, Inc., Lake Forest, IL 60045 USA

RL-6707



PRINCIPAL DISPLAY PANEL - 50 mL Vial Label - NDC 61703-430-01

LIFT
HERE

NDC 61703-430-01

M.V.I.-ADULT™
(multiple vitamins injection)

PHARMACY BULK PACKAGE.
NOT FOR DIRECT INFUSION.

Vial 2
Rx only

50 mL Fill Multiple Dose Vial, Sterile

See insert for important information
on pharmacy bulk package.

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

Hospira, Inc.
Lake Forest, IL 60045 USA

Hospira

LIFT
HERE

NDC 61703-430-01

M.V.I.-ADULT™
(multiple vitamins injection)

PHARMACY BULK PACKAGE.
NOT FOR DIRECT INFUSION.

Vial 2 **Rx only**

50 mL Fill Multiple Dose Vial, Sterile

See insert for important information
on pharmacy bulk package.

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

Hospira, Inc.
Lake Forest, IL 60045 USA

Hospira

(01)00361703430014

Each 5 mL in Vial 2 provides: **RL-6708**

Biotin 60 mcg
Folic Acid 600 mcg
Cyanocobalamin (B₁₂) 5 mcg

with 30% propylene glycol; citric acid, sodium citrate, and sodium hydroxide for pH adjustment.

Transfer the contents of Vial 1 into Vial 2 to provide ten 10 mL single doses. Each 10 mL single dose should be diluted in not less than 500 mL of infusion fluid. Once closure system has been compromised, withdrawal of container contents should be completed within 4 hours. DISCARD UNUSED PORTION.

Consult package insert for dosage and full prescribing information

This product contains no more than 183 mcg/L of aluminum in combined vials 1 and 2.

Vial 1 added _____
Date: _____
Time: _____

PRINCIPAL DISPLAY PANEL - Kit Carton - NDC 61703-434-01

Sterile

NDC 61703-434-01

Rx only

M.V.I. ADULT™
(multiple vitamins injection)

FOR DILUTION IN INTRAVENOUS
INFUSIONS ONLY.

Contents: Vial 1 (5 mL) and Vial 2 (5 mL).
Both vials to be used for a single dose.

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

Store Upright

Hospira

FOR DILUTION IN INTRAVENOUS
INFUSIONS ONLY.
M.V.I. ADULT™
(multiple vitamins injection)
Rx only
NDC 61703-434-01
Sterile

Each 5 mL in Vial 1 provides:

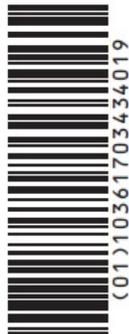
Ascorbic acid (C)	200 mg
Vitamin A (retinol)	1 mg
Ergocalciferol (D)	5 mcg
Thiamine (B1) (as the HCl)	6 mg
Riboflavin (B2) (as riboflavin-5-phosphate sodium)	3.6 mg
Pyridoxine HCl (B6)	6 mg
Niacinamide	40 mg
Dexpanthenol (d-pantothenyl alcohol)	15 mg
Vitamin E (dl-alpha-tocopheryl acetate)	10 mg
Phytonadione (K)	150 mcg

with 30% propylene glycol and 2% gentisic acid ethanalamide as stabilizers and preservatives; sodium hydroxide for pH adjustment; 1.6% polysorbate 80; 0.028% polysorbate 20; 0.002% butylated hydroxytoluene; 0.0005% butylated hydroxyanisole.

Each 5 mL in Vial 2 provides:

Biotin	60 mcg
Folic Acid	600 mcg
Cyanocobalamin (B12)	5 mcg

with 30% propylene glycol; and citric acid, sodium citrate, and sodium hydroxide for pH adjustment.



Sterile

NDC 61703-434-01
Rx only

M.V.I. ADULT™
(multiple vitamins injection)

FOR DILUTION IN INTRAVENOUS
INFUSIONS ONLY.

Contents: Vial 1 (5 mL) and Vial 2 (5 mL).
Both vials to be used for a single dose.

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

Store Upright



The contents of both vials should be added to not less than 500 mL of infusion fluid.

Each vial contains a sufficient amount to permit withdrawal and administration of 5 mL.

Usual dosage: See insert.

Oil-soluble vitamins A, D, E, and K in Vial 1 water solubilized with 1.6% polysorbate 80.

Hospira, Inc.
Lake Forest, IL 60045 USA

CA - 6053

PRINCIPAL DISPLAY PANEL - 5 mL Vial Label - NDC 61703-426-02

M.V.I. ADULT™
(multiple vitamins injection)

For Intravenous Infusion Only.

Vial 1
Rx only

5 mL Single Dose Vial, Sterile

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

Hospira, Inc., Lake Forest, IL 60045 USA

M.V.I. ADULT™
(multiple vitamins injection)

For Intravenous Infusion Only.

Vial 1 Rx only

5 mL Single Dose Vial, Sterile

**Store under refrigeration,
2 - 8°C (36 - 46°F).**

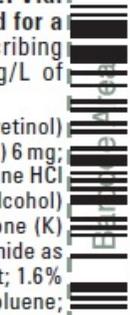
Hospira, Inc., Lake Forest, IL 60045 USA

NDC 61703-426-02

Dilute the contents of this vial and the contents of M.V.I. ADULT Vial 2 in not less than 500 mL infusion fluid, both vials to be used for a single dose. Consult package insert for dosage and full prescribing information. This product contains no more than 183 mcg/L of aluminum in combined vials 1 and 2.

Each 5 mL in Vial 1 provides: Ascorbic acid (C) 200 mg; Vitamin A (retinol) 1 mg; Ergocalciferol (D) 5 mcg; Thiamine (B1) (as the hydrochloride) 6 mg; Riboflavin (B2) (as riboflavin-5-phosphate sodium) 3.6 mg; Pyridoxine HCl (B6) 6 mg; Niacinamide 40 mg; Dexpanthenol (d-pantothenyl alcohol) 15 mg; Vitamin E (dl-alpha tocopheryl acetate) 10 mg; Phytonadione (K) 150 mcg; with 30% propylene glycol and 2% gentisic acid ethanolamide as stabilizers and preservatives; sodium hydroxide for pH adjustment; 1.6% polysorbate 80; 0.028% polysorbate 20; 0.002% butylated hydroxytoluene; 0.0005% butylated hydroxyanisole

RL-6839



PRINCIPAL DISPLAY PANEL - 5 mL Vial Label - NDC 61703-430-02

NDC 61703-430-02

M.V.I. ADULT™
(multiple vitamins injection)

For Intravenous Infusion Only.

Vial 2
Rx only

5 mL Single Dose Vial, Sterile

**Store under refrigeration,
2 - 8°C (36 - 46°F).**

Hospira, Inc., Lake Forest, IL 60045 USA

Consult package insert for dosage and full prescribing information. This product contains no more than 183 mcg/L of aluminum in combined vials 1 and 2.

NDC 61703-430-02

M.V.I. ADULT™
(multiple vitamins injection)

For Intravenous Infusion Only.

Vial 2 Rx only

5 mL Single Dose Vial, Sterile

**Store under refrigeration,
2 - 8°C (36 - 46°F).**

Hospira, Inc., Lake Forest, IL 60045 USA

Dilute the contents of this vial and the contents of M.V.I. ADULT Vial 1 in not less than 500 mL infusion fluid, both vials to be used for a single dose. Each 5 mL in Vial 2 provides: Biotin 60 mcg; Folic Acid 600 mcg; Cyanocobalamin (B12) 5 mcg with 30% propylene glycol; and citric acid, sodium citrate, and sodium hydroxide for pH adjustment.

RL-6840



M.V.I. ADULT

retinol, ergocalciferol, .alpha.-tocopherol acetate, dl-, phytonadione, ascorbic acid, niacinamide, riboflavin 5-phosphate sodium, thiamine hydrochloride, pyridoxine hydrochloride, dexpanthenol, biotin, folic acid, and cyanocobalamin kit

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:61703-422
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Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:61703-422-83	2 in 1 CASE	01/27/2015	
1	NDC:61703-422-78	5 in 1 BOX		
1		1 in 1 KIT		

Quantity of Parts

Part #	Package Quantity	Total Product Quantity
Part 1	1 VIAL, MULTI-DOSE	50 mL
Part 2	1 VIAL, MULTI-DOSE	50 mL

Part 1 of 2

RETINOL, ERGOCALCIFEROL, .ALPHA.-TOCOPHEROL ACETATE, DL-, PHYTONADIONE, ASCORBIC ACID, NIACINAMIDE, RIBOFLAVIN 5-PHOSPHATE SODIUM, THIAMINE HYDROCHLORIDE, PYRIDOXINE HYDROCHLORIDE, AND DEXPANTHENOL

retinol, ergocalciferol, .alpha.-tocopherol acetate, dl-, phytonadione, ascorbic acid, niacinamide, riboflavin 5-phosphate sodium, thiamine hydrochloride, pyridoxine hydrochloride, and dexpanthenol injection, solution, concentrate

Product Information

Item Code (Source)	NDC:61703-426
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Route of Administration	INTRAVENOUS
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Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
RETINOL (UNII: G2SH0XKK91) (RETINOL - UNII:G2SH0XKK91)	RETINOL	1 mg in 5 mL
ERGOCALCIFEROL (UNII: VS041H42XC) (ERGOCALCIFEROL - UNII:VS041H42XC)	ERGOCALCIFEROL	5 ug in 5 mL
.ALPHA.-TOCOPHEROL ACETATE, DL- (UNII: WR1WPI7EW8) (.ALPHA.-TOCOPHEROL, DL- - UNII:7QWA1RIO01)	.ALPHA.-TOCOPHEROL, DL-	10 mg in 5 mL

PHYTONADIONE (UNII: A034SE7857) (PHYTONADIONE - UNII:A034SE7857)	PHYTONADIONE	150 ug in 5 mL
ASCORBIC ACID (UNII: PQ6CK8PD0R) (ASCORBIC ACID - UNII:PQ6CK8PD0R)	ASCORBIC ACID	200 mg in 5 mL
NIACINAMIDE (UNII: 25X51I8RD4) (NIACINAMIDE - UNII:25X51I8RD4)	NIACINAMIDE	40 mg in 5 mL
RIBOFLAVIN 5'-PHOSPHATE SODIUM (UNII: 20RD1DZH99) (FLAVIN MONONUCLEOTIDE - UNII:7N464URE7E)	FLAVIN MONONUCLEOTIDE	3.6 mg in 5 mL
THIAMINE HYDROCHLORIDE (UNII: M572600E5P) (THIAMINE ION - UNII:4ABT0J945J)	THIAMINE	6 mg in 5 mL
PYRIDOXINE HYDROCHLORIDE (UNII: 68Y4CF58BV) (PYRIDOXINE - UNII:KV2JZ1BI6Z)	PYRIDOXINE HYDROCHLORIDE	6 mg in 5 mL
DEXPANTHENOL (UNII: 1O6C93RI7Z) (DEXPANTHENOL - UNII:1O6C93RI7Z)	DEXPANTHENOL	15 mg in 5 mL

Inactive Ingredients

Ingredient Name	Strength
PROPYLENE GLYCOL (UNII: 6DC9Q167V3)	
GENTISIC ACID ETHANOLAMIDE (UNII: H4E039OIGX)	
SODIUM HYDROXIDE (UNII: 55X04QC32I)	
POLYSORBATE 80 (UNII: 6OZP39ZG8H)	
POLYSORBATE 20 (UNII: 7T1F30V5YH)	
BUTYLATED HYDROXYTOLUENE (UNII: 1P9D0Z171K)	
BUTYLATED HYDROXYANISOLE (UNII: REK4960K2U)	

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:61703-426-01	50 mL in 1 VIAL, MULTI-DOSE; Type 0: Not a Combination Product		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA021625	01/27/2015	

Part 2 of 2

BIOTIN, FOLIC ACID, AND CYANOCOBALAMIN

biotin, folic acid, and cyanocobalamin injection, solution, concentrate

Product Information

Item Code (Source)	NDC:61703-430
Route of Administration	INTRAVENOUS

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
BIOTIN (UNII: 6SO6U10H04) (BIOTIN - UNII:6SO6U10H04)	BIOTIN	60 ug in 5 mL
FOLIC ACID (UNII: 935E97BOY8) (FOLIC ACID - UNII:935E97BOY8)	FOLIC ACID	600 ug in 5 mL
CYANOCOBALAMIN (UNII: P6YC3EG204) (CYANOCOBALAMIN - UNII:P6YC3EG204)	CYANOCOBALAMIN	5 ug in 5 mL

Inactive Ingredients

Ingredient Name	Strength
PROPYLENE GLYCOL (UNII: 6DC9Q167V3)	
CITRIC ACID MONOHYDRATE (UNII: 2968PHW8QP)	
SODIUM CITRATE, UNSPECIFIED FORM (UNII: 1Q73Q2JULR)	
SODIUM HYDROXIDE (UNII: 55X04QC32I)	

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:61703-430-01	50 mL in 1 VIAL, MULTI-DOSE; Type 0: Not a Combination Product		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA021625	01/27/2015	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA021625	01/27/2015	

M.V.I. ADULT

retinol, ergocalciferol, .alpha.-tocopherol acetate, dl-, phytonadione, ascorbic acid, niacinamide, riboflavin 5-phosphate sodium, thiamine hydrochloride, pyridoxine hydrochloride, dexpanthenol, biotin, folic acid, and cyanocobalamin kit

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:61703-434
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Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:61703-434-82	10 in 1 PACKAGE	04/28/2017	
1	NDC:61703-434-01	1 in 1 KIT		

Quantity of Parts

Part #	Package Quantity	Total Product Quantity
Part 1	1 VIAL, SINGLE-DOSE	5 mL
Part 2	1 VIAL, SINGLE-DOSE	5 mL

Part 1 of 2

RETINOL, ERGOCALCIFEROL, .ALPHA.-TOCOPHEROL ACETATE, DL-, PHYTONADIONE, ASCORBIC ACID, NIACINAMIDE, RIBOFLAVIN 5-PHOSPHATE SODIUM, THIAMINE HYDROCHLORIDE, PYRIDOXINE HYDROCHLORIDE, AND DEXPANTHENOL

retinol, ergocalciferol, .alpha.-tocopherol acetate, dl-, phytonadione, ascorbic acid, niacinamide, riboflavin 5-phosphate sodium, thiamine hydrochloride, pyridoxine hydrochloride, and dexpanthenol injection, solution, concentrate

Product Information

Item Code (Source)	NDC:61703-426
Route of Administration	INTRAVENOUS

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
RETINOL (UNII: G2SH0XKK91) (RETINOL - UNII:G2SH0XKK91)	RETINOL	1 mg in 5 mL
ERGOCALCIFEROL (UNII: VS041H42XC) (ERGOCALCIFEROL - UNII:VS041H42XC)	ERGOCALCIFEROL	5 ug in 5 mL
.ALPHA.-TOCOPHEROL ACETATE, DL- (UNII: WR1WPI7EW8) (.ALPHA.-TOCOPHEROL, DL- - UNII:7QWA1RIO01)	.ALPHA.-TOCOPHEROL, DL-	10 mg in 5 mL
PHYTONADIONE (UNII: A034SE7857) (PHYTONADIONE - UNII:A034SE7857)	PHYTONADIONE	150 ug in 5 mL
ASCORBIC ACID (UNII: PQ6CK8PD0R) (ASCORBIC ACID - UNII:PQ6CK8PD0R)	ASCORBIC ACID	200 mg in 5 mL
NIACINAMIDE (UNII: 25X51I8RD4) (NIACINAMIDE - UNII:25X51I8RD4)	NIACINAMIDE	40 mg in 5 mL
RIBOFLAVIN 5'-PHOSPHATE SODIUM (UNII: 20RD1DZ H99) (FLAVIN MONONUCLEOTIDE - UNII:7N464URE7E)	FLAVIN MONONUCLEOTIDE	3.6 mg in 5 mL
THIAMINE HYDROCHLORIDE (UNII: M572600E5P) (THIAMINE ION - UNII:4ABT0J945J)	THIAMINE	6 mg in 5 mL
PYRIDOXINE HYDROCHLORIDE (UNII: 68Y4CF58BV) (PYRIDOXINE - UNII:KV2JZ1BI6Z)	PYRIDOXINE HYDROCHLORIDE	6 mg in 5 mL
DEXPANTHENOL (UNII: 1Q6C03BI7Z) (DEXPANTHENOL - UNII:1Q6C03BI7Z)	DEXPANTHENOL	15 mg

Inactive Ingredients

Ingredient Name	Strength
PROPYLENE GLYCOL (UNII: 6DC9Q167V3)	
GENTISIC ACID ETHANOLAMIDE (UNII: H4E039OIGX)	
SODIUM HYDROXIDE (UNII: 55X04QC32I)	
POLYSORBATE 80 (UNII: 6OZP39ZG8H)	
POLYSORBATE 20 (UNII: 7T1F30V5YH)	
BUTYLATED HYDROXYTOLUENE (UNII: 1P9D0Z171K)	
BUTYLATED HYDROXYANISOLE (UNII: REK4960K2U)	

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:61703-426-02	5 mL in 1 VIAL, SINGLE-DOSE; Type 0: Not a Combination Product		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA021625	04/28/2017	

Part 2 of 2**BIOTIN, FOLIC ACID, AND CYANOCOBALAMIN**

biotin, folic acid, and cyanocobalamin injection, solution, concentrate

Product Information

Item Code (Source)	NDC:61703-430
Route of Administration	INTRAVENOUS

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
BIOTIN (UNII: 6S06U10H04) (BIOTIN - UNII:6S06U10H04)	BIOTIN	60 ug in 5 mL
FOLIC ACID (UNII: 935E97BOY8) (FOLIC ACID - UNII:935E97BOY8)	FOLIC ACID	600 ug in 5 mL
CYANOCOBALAMIN (UNII: P6YC3EG204) (CYANOCOBALAMIN - UNII:P6YC3EG204)	CYANOCOBALAMIN	5 ug in 5 mL

Inactive Ingredients

Ingredient Name	Strength
PROPYLENE GLYCOL (UNII: 6DC9Q167V3)	
CITRIC ACID MONOHYDRATE (UNII: 2968PHW8QP)	
SODIUM CITRATE, UNSPECIFIED FORM (UNII: 1Q73Q2JULR)	
SODIUM HYDROXIDE (UNII: 55X04QC32I)	

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:61703-430-02	5 mL in 1 VIAL, SINGLE-DOSE; Type 0: Not a Combination Product		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA021625	04/28/2017	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA021625	04/28/2017	

Labeler - Hospira, Inc. (141588017)

Establishment

Name	Address	ID/FEI	Business Operations
Hospira, Inc.		093132819	ANALYSIS(61703-422, 61703-434) , MANUFACTURE(61703-422, 61703-434) , PACK(61703-422, 61703-434) , LABEL(61703-422, 61703-434)

Revised: 2/2021

Hospira, Inc.