

DOBUTAMINE- dobutamine injection, solution, concentrate
Hospira, Inc.

DOBUTamine
INJECTION, USP

Fliptop Vial

R_x only

MUST BE DILUTED PRIOR TO
ADMINISTRATION

DESCRIPTION

Dobutamine Injection, USP is a clear, practically colorless, sterile, nonpyrogenic solution of dobutamine hydrochloride for intravenous use only. Each milliliter contains 12.5 mg (41.5 μmol) dobutamine, as the hydrochloride and sodium metabisulfite, 0.2 mg added as antioxidant. May contain hydrochloric acid and/or sodium hydroxide for pH adjustment. pH is 3.3 (2.5 to 5.5).

Dobutamine Hydrochloride, USP is chemically designated (±)-4-[2-[[3-(p-hydroxyphenyl)-1-methylpropyl] amino]ethyl]-pyrocatechol hydrochloride.

It is a synthetic catecholamine.

Molecular Weight: 337.85

Molecular Formula: C₁₈H₂₃NO₃ • HCl

CLINICAL PHARMACOLOGY

Dobutamine hydrochloride is a direct-acting inotropic agent whose primary activity results from stimulation of the β receptors of the heart while producing comparatively mild chronotropic, hypertensive, arrhythmogenic, and vasodilative effects. It does not cause the release of endogenous norepinephrine, as does dopamine. In animal studies, dobutamine hydrochloride produces less increase in heart rate and less decrease in peripheral vascular resistance for a given inotropic effect than does isoproterenol.

In patients with depressed cardiac function, both dobutamine hydrochloride and isoproterenol increase the cardiac output to a similar degree. In the case of dobutamine hydrochloride, this increase is usually not accompanied by marked increases in heart rate (although tachycardia is occasionally observed), and the cardiac stroke volume is usually increased. In contrast, isoproterenol increases the cardiac index primarily by increasing the heart rate while stroke volume changes little or declines.

Facilitation of atrioventricular conduction has been observed in human electrophysiologic studies and in patients with atrial fibrillation.

Systemic vascular resistance is usually decreased with administration of dobutamine hydrochloride. Occasionally, minimum vasoconstriction has been observed.

Most clinical experience with dobutamine hydrochloride is short-term – not more than several hours in duration. In the limited number of patients who were studied for 24, 48, and 72 hours, a persistent increase in cardiac output occurred in some, whereas output returned toward baseline values in others.

The onset of action of dobutamine is within 1 to 2 minutes; however, as much as 10 minutes may be required to obtain the peak effect of a particular infusion rate.

The plasma half-life of dobutamine hydrochloride in humans is 2 minutes. The principal routes of metabolism are methylation of the catechol and conjugation. In human urine, the major excretion products are the conjugates of dobutamine and 3-O-methyl dobutamine. The 3-O-methyl derivative of dobutamine is inactive.

Alteration of synaptic concentrations of catecholamines with either reserpine or tricyclic antidepressants does not alter the actions of dobutamine in animals, which indicates that the actions of dobutamine hydrochloride are not dependent on presynaptic mechanisms.

INDICATIONS AND USAGE

Dobutamine Injection, USP is indicated when parenteral therapy is necessary for inotropic support in the short-term treatment of adults with cardiac decompensation due to depressed contractility resulting either from organic heart disease or from cardiac surgical procedures.

In patients who have atrial fibrillation with rapid ventricular response, a digitalis preparation should be used prior to institution of therapy with dobutamine hydrochloride.

CONTRAINDICATIONS

Dobutamine hydrochloride is contraindicated in patients with idiopathic hypertrophic subaortic stenosis and in patients who have shown previous manifestations of hypersensitivity to Dobutamine Injection, USP solution.

WARNINGS

1. Increase in Heart Rate or Blood Pressure

Dobutamine hydrochloride may cause a marked increase in heart rate or blood pressure, especially systolic pressure. Approximately 10% of patients in clinical studies have had rate increases of 30 beats/minute or more, and about 7.5% have had a 50 mm Hg or greater increase in systolic pressure. Usually, reduction of dosage promptly reverses these effects. Because dobutamine hydrochloride facilitates atrioventricular conduction, patients with atrial fibrillation are at risk of developing rapid ventricular response. Patients with pre-existing hypertension appear to face an increased risk of developing an exaggerated pressor response.

2. Ectopic Activity

Dobutamine hydrochloride may precipitate or exacerbate ventricular ectopic activity, but it rarely has caused ventricular tachycardia.

3. Hypersensitivity

Reactions suggestive of hypersensitivity associated with administration of Dobutamine Injection, USP, including skin rash, fever, eosinophilia, and bronchospasm, have been reported occasionally.

4. Dobutamine Injection, USP contains sodium metabisulfite, a sulfite that may cause allergic-type reactions, including anaphylactic symptoms and life-threatening or less severe asthmatic episodes, in certain susceptible people. The overall prevalence of sulfite sensitivity in the general population is unknown and probably low. Sulfite sensitivity is seen more frequently in asthmatic than in nonasthmatic people.

PRECAUTIONS

General

1. **During the administration of Dobutamine Injection, USP, as with any adrenergic agent, ECG and blood pressure should be continuously monitored. In addition, pulmonary wedge pressure and cardiac output should be monitored whenever possible to aid in the safe and effective infusion of dobutamine hydrochloride.**
2. Hypovolemia should be corrected with suitable volume expanders before treatment with dobutamine hydrochloride is instituted.
3. No improvement may be observed in the presence of marked mechanical obstruction, such as severe valvular aortic stenosis.

Usage Following Acute Myocardial Infarction – Clinical experience with dobutamine hydrochloride following myocardial infarction has been insufficient to establish the safety of the drug for this use. There is concern that any agent that increases contractile force and heart rate may increase the size of an infarction by intensifying ischemia, but it is not known whether dobutamine hydrochloride does so.

Laboratory Tests – Dobutamine, like other β_2 -agonists, can produce a mild reduction in serum potassium concentration, rarely to hypokalemic levels. Accordingly, consideration should be given to monitoring serum potassium.

Drug Interactions – Animal studies indicate that dobutamine may be ineffective if the patient has recently received a β -blocking drug. In such a case, the peripheral vascular resistance may increase.

Preliminary studies indicate that the concomitant use of dobutamine and nitroprusside results in a higher cardiac output and, usually, a lower pulmonary wedge pressure than when either drug is used alone.

There was no evidence of drug interactions in clinical studies in which dobutamine was administered concurrently with other drugs, including digitalis preparations, furosemide, spironolactone, lidocaine, nitroglycerin, isosorbide dinitrate, morphine, atropine, heparin, protamine, potassium chloride, folic acid, and acetaminophen.

Carcinogenesis, Mutagenesis, Impairment of Fertility – Studies to evaluate the carcinogenic or mutagenic potential of dobutamine hydrochloride, or its potential to affect fertility, have not been conducted.

Pregnancy – Teratogenic Effects – Reproduction studies performed in rats at doses up to the normal human dose (10 mcg/kg/min for 24 h, total daily dose of 14.4 mg/kg), and in rabbits at doses up to twice the normal human dose, have revealed no evidence of harm to the fetus due to dobutamine hydrochloride. There are, however, no adequate and well-controlled studies in pregnant women. Because animal reproduction studies are not always predictive of human response, this drug should be used during pregnancy only if clearly needed.

Labor and Delivery – The effect of dobutamine hydrochloride on labor and delivery is unknown.

Nursing Mothers – It is not known whether this drug is excreted in human milk. Because many drugs are excreted in human milk, caution should be exercised when dobutamine hydrochloride is administered to a nursing woman. If a mother requires dobutamine hydrochloride treatment, breastfeeding should be discontinued for the duration of treatment.

Pediatric Use – The safety and effectiveness of Dobutamine Injection, USP for use in pediatric patients have not been studied.

ADVERSE REACTIONS

Increased Heart Rate, Blood Pressure, and Ventricular Ectopic Activity – A 10 to 20 mm increase in systolic blood pressure and an increase in heart rate of 5 to 15 beats/minute have been noted in most patients (see WARNINGS regarding exaggerated chronotropic and pressor effects). Approximately 5% of patients have had increased premature ventricular beats during infusions. These effects are dose related.

Hypotension – Precipitous decreases in blood pressure have occasionally been described in association with dobutamine therapy. Decreasing the dose or discontinuing the infusion typically results in rapid return of blood pressure to baseline values. In rare cases, however, intervention may be required and reversibility may not be immediate.

Reactions at Sites of Intravenous Infusion – Phlebitis has occasionally been reported. Local inflammatory changes have been described following inadvertent infiltration. Isolated cases of cutaneous necrosis (destruction of skin tissue) have been reported.

Miscellaneous Uncommon Effects – The following adverse effects have been reported in 1% to 3% of patients: nausea, headache, anginal pain, nonspecific chest pain, palpitations, and shortness of breath. Isolated cases of thrombocytopenia have been reported.

Administration of dobutamine hydrochloride, like other catecholamines, can produce a mild reduction in serum potassium concentration, rarely to hypokalemic levels (see PRECAUTIONS).

Longer-Term Safety – Infusions of up to 72 hours have revealed no adverse effects other than those seen with shorter infusions.

OVERDOSAGE

Overdoses of dobutamine have been reported rarely. The following is provided to serve as a guide if such an overdose is encountered.

Signs and Symptoms – Toxicity from dobutamine is usually due to excessive cardiac β -receptor stimulation. The duration of action of dobutamine is generally short ($T_{1/2} = 2$ minutes) because it is rapidly metabolized by catechol-O-methyltransferase. The symptoms of toxicity may include anorexia, nausea, vomiting, tremor, anxiety, palpitations, headache, shortness of breath, and anginal and nonspecific chest pain. The positive inotropic and chronotropic effects of dobutamine on the myocardium may cause hypertension, tachyarrhythmias, myocardial ischemia, and ventricular fibrillation. Hypotension may result from vasodilation.

Treatment – To obtain up-to-date information about the treatment of overdose, a good resource is your certified Regional Poison Control Center. Telephone numbers of certified poison control centers are listed in the *Physicians' Desk Reference (PDR)*. In managing overdose, consider the possibility of multiple drug overdoses, interaction among drugs, and unusual drug kinetics in your patient.

The initial actions to be taken in a dobutamine overdose are discontinuing administration, establishing an airway, and ensuring oxygenation and ventilation. Resuscitative measures should be initiated promptly. Severe ventricular tachyarrhythmias may be successfully treated with propranolol or lidocaine. Hypertension usually responds to a reduction in dose or discontinuation of therapy.

Protect the patient's airway and support ventilation and perfusion. If needed, meticulously monitor and maintain, within acceptable limits, the patient's vital signs, blood gases, serum electrolytes, etc. If the product is ingested, unpredictable absorption may occur from the mouth and the gastrointestinal tract. Absorption of drugs from the gastrointestinal tract may be decreased by giving activated charcoal, which, in many cases, is more effective than emesis or lavage; consider charcoal instead of or in addition to gastric emptying. Repeated doses of charcoal over time may hasten elimination of some drugs that have been absorbed. Safeguard the patient's airway when employing gastric emptying or charcoal.

Forced diuresis, peritoneal dialysis, hemodialysis, or charcoal hemo-perfusion have not been

established as beneficial for an overdose of dobutamine.

DOSAGE AND ADMINISTRATION

Note – Do not add Dobutamine Injection, USP to 5% Sodium Bicarbonate Injection or to any other strongly alkaline solution. Because of potential physical incompatibilities, it is recommended that dobutamine hydrochloride not be mixed with other drugs in the same solution. Dobutamine hydrochloride should not be used in conjunction with other agents or diluents containing both sodium bisulfite and ethanol.

Preparation and Stability – At the time of administration, Dobutamine Injection, USP must be further diluted in an intravenous container to at least a 50 mL solution using one of the following intravenous solutions as a diluent: 5% Dextrose Injection, USP; 5% Dextrose and 0.45% Sodium Chloride Injection, USP; 5% Dextrose and 0.9% Sodium Chloride Injection, USP; 10% Dextrose Injection, USP; Isolyte[®] M with 5% Dextrose Injection; Lactated Ringer's Injection; 5% Dextrose in Lactated Ringer's Injection; Normosol[®]-M in D5-W; 20% Osmitrol[®] in Water for Injection; 0.9% Sodium Chloride Injection, USP; or Sodium Lactate Injection, USP. Intravenous solutions should be used within 24 hours.

Recommended Dosage – The rate of infusion needed to increase cardiac output usually ranged from 2.5 to 15 mcg/kg/min (see Table 1). On rare occasions, infusion rates up to 40 mcg/kg/min have been required to obtain the desired effect.

Table 1 Dobutamine Infusion Rate (mL/kg/min) for Concentrations of 250, 500, and 1,000 mcg/mL

| Drug Delivery Rate | Infusion Delivery Rate | | |
|--------------------|------------------------|-------------|---------------|
| | 250 mcg/mL* | 500 mcg/mL† | 1,000 mcg/mL‡ |
| (mL/kg/min) | (mL/kg/min) | (mL/kg/min) | (mL/kg/min) |
| 2.5 | 0.01 | 0.005 | 0.0025 |
| 5 | 0.02 | 0.01 | 0.005 |
| 7.5 | 0.03 | 0.015 | 0.0075 |
| 10 | 0.04 | 0.02 | 0.01 |
| 12.5 | 0.05 | 0.025 | 0.0125 |
| 15 | 0.06 | 0.03 | 0.015 |

* 250 mcg/mL of diluent
† 500 mcg/mL or 250 mg/500 mL of diluent
‡ 1,000 mcg/mL or 250 mg/250 mL of diluent

Rates of infusion in mL/h for Dobutamine concentrations of 500 mcg/mL, 1,000 mcg/mL, and 2,000 mcg/mL are given in Table 2.

Table 2

| Drug Delivery Rate (mcg/kg/min) | Dobutamine Infusion Rate (mL/h) for 500 mcg/mL concentration | | | | | | | | |
|---------------------------------|--|----|----|----|-----|-----|-----|-----|-----|
| | Patient Body Weight (kg) | | | | | | | | |
| | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 |
| 2.5 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 |
| 5 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 |
| 7.5 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 | 99 |
| 10 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 |
| 12.5 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 |

| | | | | | | | | | |
|---------------------------------|--|----|------|------|------|-----|------|------|------|
| 15 | 54 | 72 | 90 | 108 | 126 | 144 | 162 | 180 | 198 |
| | | | | | | | | | |
| Drug Delivery Rate (mcg/kg/min) | Dobutamine Infusion Rate (mL/h) for 1,000 mcg/mL concentration | | | | | | | | |
| | <u>Patient Body Weight (kg)</u> | | | | | | | | |
| | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 |
| 2.5 | 4.5 | 6 | 7.5 | 9 | 10.5 | 12 | 13.5 | 15 | 16.5 |
| 5 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 |
| 7.5 | 13.5 | 18 | 22.5 | 27 | 31.5 | 36 | 40.5 | 45 | 49.5 |
| 10 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 |
| 12.5 | 22.5 | 30 | 37.5 | 45 | 52.5 | 60 | 67.5 | 75 | 82.5 |
| 15 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 | 99 |
| | | | | | | | | | |
| Drug Delivery Rate (mcg/kg/min) | Dobutamine Infusion Rate (mL/h) for 2000 mcg/mL concentration | | | | | | | | |
| | <u>Patient Body Weight (kg)</u> | | | | | | | | |
| | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 |
| 2.5 | 2 | 3 | 4 | 4.5 | 5 | 6 | 7 | 7.5 | 8 |
| 5 | 4.5 | 6 | 7.5 | 9 | 10.5 | 12 | 13.5 | 15 | 16.5 |
| 7.5 | 7 | 9 | 11 | 13.5 | 16 | 18 | 20 | 22.5 | 25 |
| 10 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 |
| 12.5 | 11 | 15 | 19 | 22.5 | 26 | 30 | 34 | 37.5 | 41 |
| 15 | 13.5 | 18 | 22.5 | 27 | 31.5 | 36 | 40.5 | 45 | 49.5 |

The rate of administration and the duration of therapy should be adjusted according to the patient's response as determined by heart rate, presence of ectopic activity, blood pressure, urine flow, and, whenever possible, measurement of central venous or pulmonary wedge pressure and cardiac output.

Concentrations of up to 5,000 mcg/mL have been administered to humans (250 mg/50 mL). The final volume administered should be determined by the fluid requirements of the patient.

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

HOW SUPPLIED

Dobutamine Injection, USP is supplied in 20 mL single-dose glass vials containing 250 mg dobutamine, as the hydrochloride as follows:

| Unit of Sale | Concentration | Each |
|---|------------------------------|--|
| NDC 0409-2344-01 Carton containing 1 Vial | 250 mg/20 mL (12.5 mg/mL) | NDC 0409-2344-01 20 mL Single-Dose Vial |
| NDC 0409-2344-02 Tray containing 10 Vials | 250 mg/20 mL (12.5 mg/mL) | NDC 0409-2344-62 20 mL Single-Dose Vial |

Store at 20 to 25°C (68° to 77°F). [See USP Controlled Room Temperature.]

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

LAB-1055-3.0

Revised: 11/2017

PRINCIPAL DISPLAY PANEL - 20 mL Vial Label - 2344-01

20 mL Single-dose Fliptop Vial

DOBUTamine

Injection, USP

250 mg/20 mL

(12.5 mg/mL)

MUST BE DILUTED PRIOR TO USE.

FOR INTRAVENOUS USE ONLY.

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

20 mL Single-dose Fliptop Vial

DOBUTamine
Injection, USP

250 mg/20 mL
(12.5 mg/mL)

MUST BE DILUTED PRIOR TO USE.
FOR INTRAVENOUS USE ONLY.

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

Rx only NDC 0409-2344-01

Each mL contains: 12.5 mg dobutamine, as the hydrochloride; sodium metabisulfite, 0.2 mg added. May contain hydrochloric acid and/or sodium hydroxide for pH adjustment.

For information on dilution, dosage, and administration: See insert.

Use within 24 hours after dilution.

Discard unused portion.

LOT/EXP Area (SVP)

RL-7041 Hospira

PRINCIPAL DISPLAY PANEL - 20 mL Vial Carton

NDC 0409-2344-01

20 mL Single-dose Fliptop Vial

DOBUTamine

Injection, USP

250 mg/20 mL

(12.5 mg/mL)

MUST BE DILUTED

PRIOR TO USE.

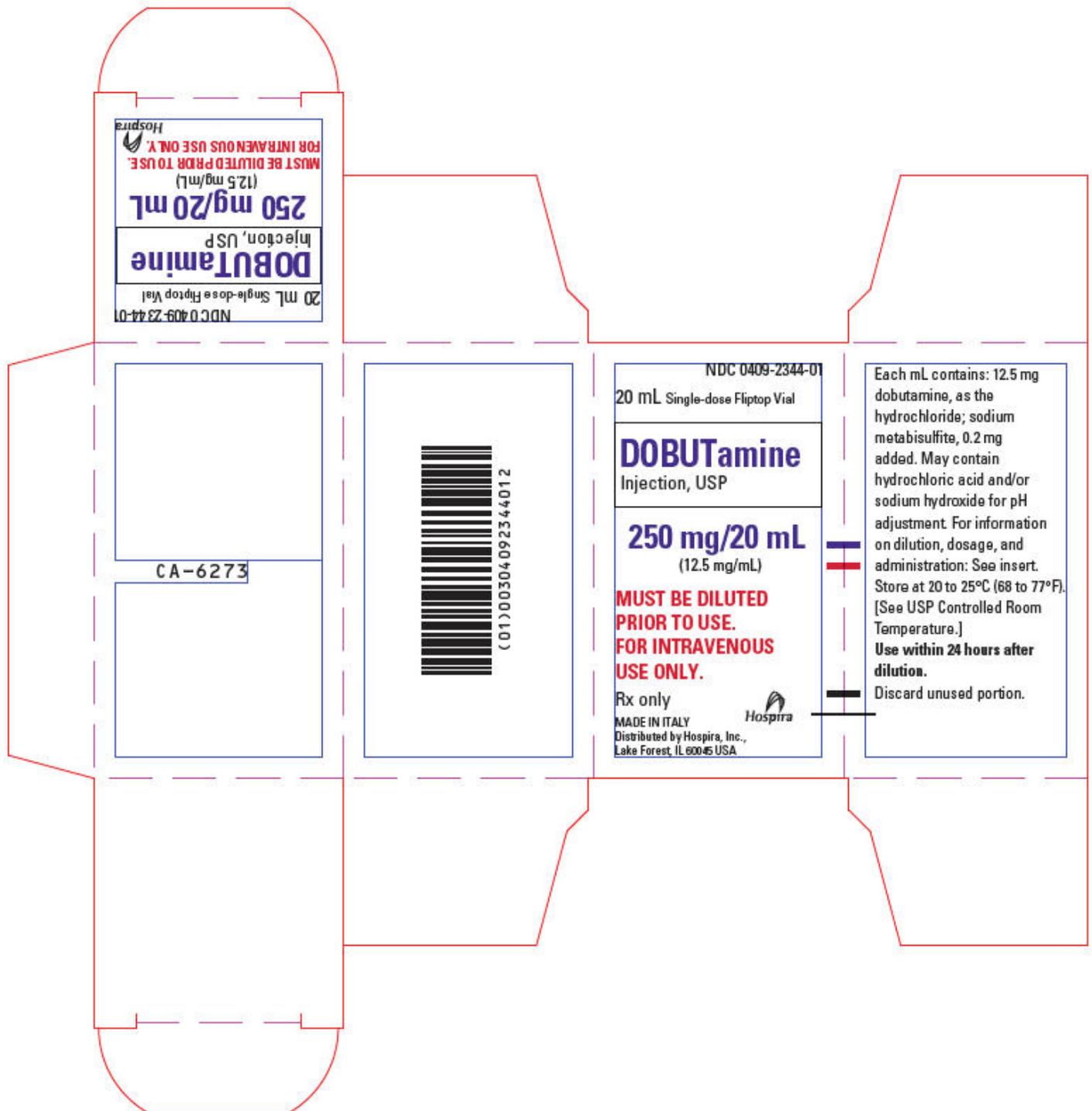
FOR INTRAVENOUS

USE ONLY.

Rx only

Hospira

MADE IN ITALY
Distributed by Hospira, Inc.,
Lake Forest, IL 60045 USA



PRINCIPAL DISPLAY PANEL - 20 mL Vial Tray - 2344-01

10 Units/NDC 0409-2344-01

20 mL Single-dose Fliptop Vials

DOBUTamine

Injection, USP

250 mg/20 mL

(12.5 mg/mL)

Rx only

**MUST BE DILUTED PRIOR TO USE.
FOR INTRAVENOUS USE ONLY.**

Hospira

20 mL Single dose Flip-top Vials 10 Units/NDC 0409-2344-01

DOBUtamine

Injection, USP

250 mg/20 mL (12.5 mg/mL) Rx only

**MUST BE DILUTED PRIOR TO USE.
FOR INTRAVENOUS USE ONLY.**



(01)20304092344016

Each mL contains: 12.5 mg dobutamine, as the hydrochloride, sodium metabisulfite, 0.2 mg added. May contain hydrochloric acid and/or sodium hydroxide for pH adjustment. For further information on dilution, dosage, and administration: See insert. Use within 24 hours after dilution. Discard unused portion. Store at 20 to 25°C (68 to 77°F). [See USP Controlled Room Temperature.]

CA-6271

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

Injection, USP

250 mg/20 mL (12.5 mg/mL) Rx only

**MUST BE DILUTED PRIOR TO USE.
FOR INTRAVENOUS USE ONLY.**



PRINCIPAL DISPLAY PANEL - 20 mL Vial Label - 2344-62

20 mL Single-dose Fliptop Vial

DOBUtamine

Injection, USP

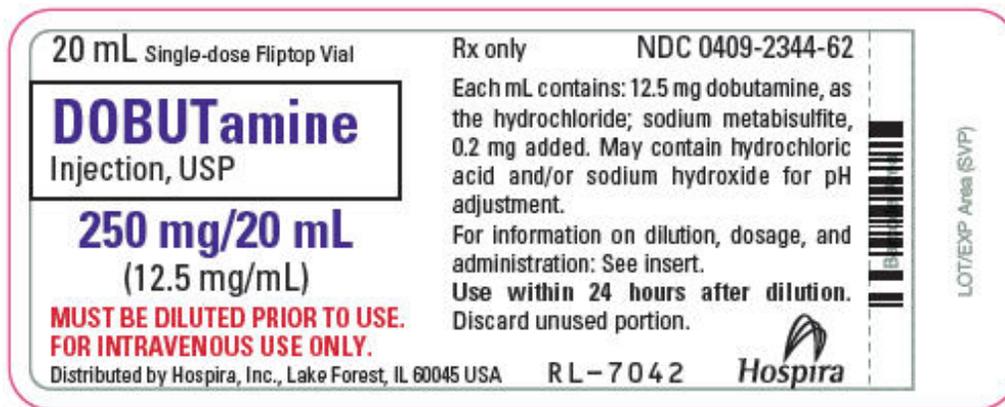
250 mg/20 mL

(12.5 mg/mL)

MUST BE DILUTED PRIOR TO USE.

FOR INTRAVENOUS USE ONLY.

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



PRINCIPAL DISPLAY PANEL - 20 mL Vial Tray - 2344-02

NDC 0409-2344-02

20 mL Single-dose

10 Fliptop Vials

DOBUtamine

Injection, USP

250 mg/20 mL

(12.5 mg/mL)

Rx only

MUST BE DILUTED PRIOR TO USE.

FOR INTRAVENOUS USE ONLY.

Hospira

20 mL Single-dose 10 Flip-top Vials NDC 0409-2344-02

DOBUTamine

Injection, USP

250 mg/20 mL (12.5 mg/mL) Rx only

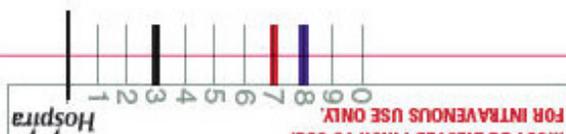
**MUST BE DILUTED PRIOR TO USE
FOR INTRAVENOUS USE ONLY.**



Each mL contains: 12.5 mg dobutamine, as the hydrochloride; sodium metabisulfite, 0.2 mg added. May contain hydrochloric acid and/or sodium hydroxide for pH adjustment. For further information on dilution, dosage, and administration: See insert. Use within 24 hours after dilution. Discard unused portion. Store at 20 to 25°C (68 to 77°F). [See USP Controlled Room Temperature.]

CA-6272

MADE IN ITALY
Distributed by Hospira, Inc., Lake Forest, IL 60045 USA





DOBUTAMINE

dobutamine injection, solution, concentrate

Product Information

| | | | |
|--------------------------------|-------------------------|---------------------------|---------------|
| Product Type | HUMAN PRESCRIPTION DRUG | Item Code (Source) | NDC:0409-2344 |
| Route of Administration | INTRAVENOUS | | |

Active Ingredient/Active Moiety

| Ingredient Name | Basis of Strength | Strength |
|---|-------------------|-----------------|
| DOBUTAMINE HYDROCHLORIDE (UNII: 0 WR771DJXV) (DOBUTAMINE - UNII:3S12J47372) | DOBUTAMINE | 12.5 mg in 1 mL |

Inactive Ingredients

| Ingredient Name | Strength |
|---|----------------|
| SODIUM METABISULFITE (UNII: 4VON5FNS3C) | 0.2 mg in 1 mL |
| HYDROCHLORIC ACID (UNII: QTT17582CB) | |
| SODIUM HYDROXIDE (UNII: 55X04QC32I) | |

Packaging

| # | Item Code | Package Description | Marketing Start Date | Marketing End Date |
|---|------------------|---|----------------------|--------------------|
| 1 | NDC:0409-2344-01 | 1 in 1 CARTON | 08/03/2005 | |
| 1 | | 20 mL in 1 VIAL, SINGLE-DOSE; Type 0: Not a Combination Product | | |
| 2 | NDC:0409-2344-02 | 10 in 1 TRAY | 06/29/2005 | |
| 2 | NDC:0409-2344-62 | 20 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 |
|--------------------|--|----------------------|--------------------|
| ANDA | ANDA074086 | 06/29/2005 | |

Labeler - Hospira, Inc. (141588017)

| Establishment | | | |
|----------------------|----------------|---------------|---|
| Name | Address | ID/FEI | Business Operations |
| Hospira, Inc. | | 093132819 | ANALYSIS(0409-2344) , LABEL(0409-2344) , MANUFACTURE(0409-2344) , PACK(0409-2344) |

| Establishment | | | |
|----------------------|----------------|---------------|----------------------------|
| Name | Address | ID/FEI | Business Operations |
| Hospira, Inc. | | 030606222 | ANALYSIS(0409-2344) |

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Hospira, Inc.