

Information For the Use of
Dobutamine (250mg/5ml) Injection

Dobutake 250 Injection

Brand Name: Dobutake 250 Injection

Dosage Form: Injection

Composition:

Each 5 ml vial contains:

- Dobutamine Hydrochloride IP equivalent to Dobutamine 250 mg
- Water for Injection IP q.s.

Description:

Dobutake 250 Injection contains Dobutamine, a synthetic catecholamine with predominant beta-1 adrenergic agonist activity. It is indicated for short-term management of cardiac decompensation and low cardiac output states. It helps in improving myocardial contractility, enhancing cardiac output, and supporting systemic perfusion without significant increase in heart rate at therapeutic doses.

Indications:

Indicated for the management of:

- Acute heart failure
- Cardiogenic shock
- Low cardiac output states following cardiac surgery

It helps in improving cardiac performance and maintaining adequate tissue perfusion.

Dosage & Administration:

Dosage should be individualized and administered under strict medical supervision.

Administer by intravenous infusion using a calibrated infusion device.

Dilution is required prior to administration.

Continuous monitoring of heart rate, blood pressure, ECG, and urine output is essential.

Pharmacological Action:

- Dobutamine primarily stimulates beta-1 adrenergic receptors in the myocardium.
- It increases myocardial contractility (positive inotropic effect) and stroke volume.
- It has minimal effects on peripheral vascular resistance compared to other catecholamines.

These actions help in enhancing cardiac output and improving hemodynamic stability.

Side Effects:

Common side effects include tachycardia, arrhythmias, hypertension, and palpitations.

Other effects may include headache, nausea, and chest discomfort.

Excessive dosing may lead to significant cardiovascular effects.

Precautions & Warnings:

- Monitor cardiac rhythm and blood pressure continuously during infusion
- Use with caution in patients with arrhythmias or ischemic heart disease
- Correct hypovolemia prior to initiation
- Avoid abrupt discontinuation
- Use under intensive care settings with appropriate monitoring

Drug Interactions:

May interact with beta-blockers, reducing its inotropic effect.

Concomitant use with other sympathomimetics may enhance cardiovascular effects.

Caution with anesthetic agents affecting cardiac sensitivity.

Storage:

Store below 25°C in a cool, dry place.
Protect from light.
Do not freeze.
Keep out of reach of children.

Manufactured in India for:



Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

Plot no.: 367-FF, Industrial Area Phase-I, Panchkula-134113

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