

# Feryskol 100 Injection

## Iron Sucrose 100 mg Injection

### Overview

Iron Sucrose 100 mg Injection is an **intravenous iron supplement** used to treat **iron deficiency anemia (IDA)**, particularly in patients with **chronic kidney disease (CKD)** or those unable to tolerate oral iron. It provides a **rapid, efficient, and well-tolerated method** to replenish iron stores and support **red blood cell production**.

### Composition

- **Iron Sucrose (100 mg/5 mL):** A complex of iron (III) hydroxide with sucrose, designed for controlled iron release and enhanced bioavailability.

### Mechanism of Action

Iron Sucrose releases **bioavailable iron** into the bloodstream, where it binds to **transferrin** and is transported to the **bone marrow** for incorporation into hemoglobin. Unlike traditional iron salts, it has a **lower risk of free iron toxicity** and is absorbed more efficiently by **iron-deficient tissues**.

### Indications & Uses

✓ **Iron Deficiency Anemia (IDA):** Effective for patients with **CKD, post-surgical blood loss, or gastrointestinal disorders affecting iron absorption**.

✓ **Patients on Dialysis:** Often administered in **hemodialysis-dependent and non-dialysis CKD patients**.

✓ **Intolerance to Oral Iron:** Suitable for individuals who experience **severe gastrointestinal side effects** from oral iron therapy.

### Dosage & Administration

- **Route:** Administered **intravenously (IV)**, either by **slow injection or infusion** under medical supervision.
- **Dose:** Typically **100 mg (5 mL) per dose**, repeated at intervals as needed, based on iron deficiency severity.
- **Infusion Rate:** Given **slowly over 2-5 minutes** for direct IV injection, or **diluted in 100 mL saline** and infused over **15-30 minutes**.

### Precautions & Contraindications

#### ⚠ Avoid in:

- **Hypersensitivity to iron sucrose** or any of its components.
- **Severe allergic reactions** to other IV iron formulations.
- **Iron overload conditions** (e.g., hemochromatosis, hemosiderosis).

#### ⚠ Use with caution in:

- **Patients with asthma or inflammatory conditions**, as they may have a higher risk of hypersensitivity reactions.
- **Liver dysfunction**, as excess iron can worsen hepatic stress.
- **Pregnancy** (Category B) – Should be used only if clearly needed, under medical supervision.

### Possible Side Effects

- **Common:** Mild headache, nausea, low blood pressure, or temporary metallic taste.
- **Rare but Serious:** Anaphylactic reactions, bronchospasm, chest pain, or severe hypotension.
- **Injection Site Reactions:** Pain, redness, or swelling at the infusion site.

**Management:** Monitor closely for **allergic reactions** during and after administration. Emergency support should be readily available during IV infusion.

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### Storage & Handling

- Store at **room temperature (15-25°C)**, protected from light.
  - Do not freeze or shake.
  - Use immediately after opening; discard any unused portion.
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### Conclusion

Iron Sucrose 100 mg Injection is a **safe and effective option** for treating **iron deficiency anemia, especially in CKD patients or those intolerant to oral iron**. Its **controlled iron release** minimizes side effects while ensuring optimal absorption. **Intravenous administration** allows for **quick restoration of iron levels**, improving hemoglobin production and overall patient well-being.

Manufactured in India for:



**Cafoli Lifecare Pvt. Ltd.**

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