

Specification box						
Market : Export			Artist :			
Product name : Iron Sucrose Injection (5 x 5 mL)		Varnish : Un-Varnish area for batch details				
Item : Carton			Manufactured by : Global Pharmatech			
Size: 94 x 95 mm			Date: 27/01/17			
Artwork Code:						
Color :						
Prepared packaging department	Checked by Regulatory Affairs	Checked by Bussiness development	Checked by Quality Assurance	Checked by Quality control	Checked by Quality Operations	
Reason for change :						

# IRON SUCROSE REFERIS

20 mg / mL (100 mg/ 5 mL) Solution for Injection (I.V.) Anti-Anemia

Formulation

**Dosage and Administration:** As directed by the Physician.

Storage:

Store at temperatures not exceeding 30°C

Keep out of reach of children.

Iron Sucrose Injection is for intravenous infusion, the injection must be diluted with 0.9 % w/v Sodium Chloride Injection to a concentration of 500 mcg to 2.0 mg of elemental iron per mL

To be administered under physician's direct supervision

Important: Refer to package insert precaution & directions before use.

Precaution: Strict aseptic administration shall be followed.

Caution: Before using check for absence of sediments. The injection should be discarded if any visible particles appears.

Osmolarity: Notlessthan 1150 and not more than 1350 mOsmol per liter

Caution: Foods, Drugs, Devices and Cosmetics Act prohibits dispensing without prescription

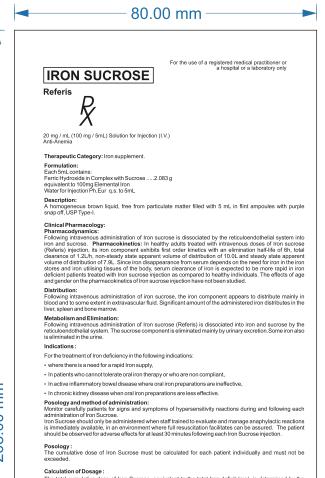
5 mL

DR. No. Mfg. Lic. No. Batch No. Mfg Date Exp. Date

Manufactured by: MAIVA PHARMA PRIVATE LIMITED No. 32 Sipcot Industrial Complex, Phase - 1, Hosur-635126, Tamil Nadu, INDIA

Imported & Distributed by: BIOCARE LIFESCIENCES INC. 4th Floor, 393 Goodwill Bldg., Senator Gil Puyat Ave., Brgy. Bel-Air, Makati City

480653182031-7



Calculation of Dosage: The total cumulative dose of Iron Sucrose, equivalent to the total Iron deficit (mg), is determined by the haemoglobin level (Hb) and body weight (BW). The dose of Iron Sucrose musk be individually calculated for each patient according to the total iron deficit calculated with the following Ganzoni formula, for example. Total Iron deficit (mg) = BW (kg) x (target Hb - actual Hb) (g/dl) x 24\* + storage iron [mg] - Bodur 3/6x (W) Toronk Hb - 1 actual real toron = 1 form km BW.

Total mon denict (mg) = or (g) (Laige tho = acutan m) (g) (g) (2.4.\* + storage non (mg) = Below 358g BW and above: Target He = 15g/al and storage iron = 500 mg \* Factor 0.2.4 = 0.0034 (iron content of H b is equal to 0.3.4%) x 0.07 (Blood volume is equal to 7% of BW) x 1000 (conversion of (g) to (mg)) x 10 Total iron Succes to be administered (inmL) = Total iron deficit (mg) = Total iron Succes to be administered (inmL) = Total iron deficit (mg)

Total amo	ount of Iron Such	ose (20mg Iron p	er mL) to be adn	ninistered
Body Weight	Hb 6.0 g/L	Hb 7.5 g/L	Hb 9.0 g/L	Hb 10.5 g/L
30 kg	47.5 mL	42.5 mL	37.5 mL	32.5 mL
35 kg	62.5 mL	57.5 mL	50 mL	45 mL
40 kg	67.5 mL	60 mL	55 mL	47.5 mL
45 kg	75 mL	65 mL	57.5 mL	50 mL
50 kg	80 mL	70 mL	60 mL	52.5 mL
55 kg	85 mL	75 mL	65 mL	55 mL
60 kg	90 mL	80 mL	67.5 mL	57.5 mL
65 kg	95 mL	82.5 mL	72.5 mL	60 mL
70 kg	100 mL	87.5 mL	75 mL	62.5 mL
75 kg	105 mL	92.5 mL	80 mL	65 mL
80 kg	112.5 mL	97.5 mL	82.5 mL	67.5 mL
85 kg	117.5 mL	102.5 mL	85 mL	70 mL
90 ka	122.5 ml	107.5 ml	90 ml	72.5 ml

: Target Hb = 13 g/dl Below 35kg BW 35kg BW and above : Target Hb = 15g/dl

To convert Hb (mM) to Hb (g/dl), multiply the former by 1.6 If the total necessary dose exceeds the maximum allowed single dose, then the administration must be

divided.

Posology : Adults : 5-10mL of iron Sucrose (100 – 200 mg Iron) 1 to 3 times a week. For administration time and dilution ratio see "Method of Administration".

Paediatric population : The use of liron Sucrose has not been adequately studied in children and therefore, Iron Sucrose is not recommended for use in children.

# Method of administration :

Iron Sucrose must only be administrated by the intravenous route. This may be by a slow intravenous injection, by an intravenous drip infusion or directly into the venous line of the dialysis machine.

Intravenous drip infusion : Iron Sucrose must only be diluted in sterile 0.9% m/V sodium chloride (NaCI) solution. Dilution must take piace immediately prior to infusion and the solution be administered as follows :

Iron Sucrose dose (mg of Iron)	Iron Sucrose dose (mL of Iron Sucrose)	Maximum dilution volume of sterile 0.9% m/V NaCI solution	Minimum infusion time
50 mg	2.5 mL	50 mL	8 minutes
100 mg	5 mL	100 mL	15 minutes
200 mg	10 mL	200 mL	30 minutes

For stability reasons dilutions to lower Iron Sucrose concentrations are not permissible

# Intravenous injection

Informations injection and administered by slow intravenous injection at a rate of 1mL undiluted solution per minute and not exceeding 10 mL Iron Sucrose (200 mg Iron) per injection.

Injection into venous line of dialysis machine : Torn Success may be administered during a hearmotialysis session directly into the venous line of the dialysis machine under the same conditions as for intravenous injection. Note:

Note: Do not mix Iron Sucrose Injection (Referis) with other medications or add to parenteral nutrition solutions for intravenous influsion. Parenteral drug products should be inspected for particulate matter and discoloration prior to administration, whenever the solution and container permit.

# Undesirable effects :

System Organ class	Common (≥1/100,<1/10)	Uncommon (≥1/1,000,<1/100)	Rare (>1/10,000<1/1,000)	Frequency not known
Infections and infestations			Pneumonia	
Blood and lymphatic system disorders		Polcythemia <sup>2)</sup>		
Immune system disorders		Hypersensitivity		Anaphylactoid reactions, anoioedema
Metabolism and nutrition disorders			fon overload	
Nervous system disorders	Dysgeusia	Headache, dizziness, burning sensation, paraestesia, hypoaesthesia	Syncope, migraine, somnolence	Depressed level of consciousness, confusional state, loss of consciousness, anxiety, tremor
Cardiac disorders			Palpitations	Bradycardia, tachycardia
Vascular disorders	Hypotension, hypertension	Phlebitis	Flushing	Circulatory collapse, superficial vein thrombosis, thrombophlebits.
Respiratory disorders and mediastinal disorders		Dysphoea		Bronchospasm
Renal and urinary disorders		Chromaturia		
Gastrointestinal disorders	Nausea	Vomiting, abdominal pain, diamhoea, constipation	Dry mouth	
Skin and subcutaneous tissue disorders		Pruritus, rash		
Musculoskeletal and connective tissue disorders		Muscle cramps, myalgia, arthralgia, pain in extremity, back pain	Limb disofort muscle spasms	Hypotonia
General disorders and administration site condition	hjection site pain	Chilts, injection site reactions, injection site imitation, injection site discoloration, injection site burning, asthenia, fatigue, pain	Feeling hot, chest pain, pyrexia, injection site puritus, injection site bruising	Hyperhidrosis
Investigations		Gamma-glutamyltransferae Increased, alanine aminotransferase increased, aspartate aminotransferase Increased, liver function test abnormal	Serum ferritin increased <sup>2)</sup> , blood creatinine increased, blood lactate dehydrogenase increased	

Warnings: Hypersentivity reactions have been reported with Injectable iron products.

# Precautions

Processions General: Because bothy iron excretion is limited and excess lisue iron can be hazardous, caution should be exercised to winksequere periodic monitoring of hematologic and hematine parameters (hematojoin, hematoria) serum ferritin and transferm saturation), iron therapy should be withheld in patients with evidence of iron overload. Transferm saturation values increase rapidly after IV administration of iron sucrose (Referis) injection; thus, serum iron values may be reliably obtained 48 hours after IV dosing

Hypersensitivity Reactions: Serious hypersensitivity reactions have been reported including life threatening and fatal anaphylactionaphylactoldreactions in patients receiving from sucrose.

anaptrijkauvarang i worken se se ported frequently in haemodialysis dependent chronic kidney disease patients Hypotension has been reported frequently in haemodialysis dependent chronic kidney disease patients realized to rate of administration and total dose administered. Caution should be taken to administer from sucrose according to recommended guidelines.

Carcinogenesis, Mutagenesis, and Impairment of Fertility: No long-term studies in animals have been performed to evaluate the carcinogenic potential of Iron sucrose To success (Refers) injection was to genotypic the Amesian et al. Carcinogenic potential or 1076 sUCP8s. (Ton success (Refers) injection was not genotoxic in the Ames Ists). The mousel (Imphane acell (LSTRY/TK+/) forward mutation test, the human lymphocyte chromosome aberration test, or the mouse micronucleus test. Ton Success Injection (Refers) injection at IV doese up to 15 mg ironkydyda (abut 1.2, times the recommended maximum human dose on a body surface area basis) was found to have no effect on fertility and reproductive performance of the and female and female rats.

Pregnancy Category B: 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.

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 Iron sucrose (Referis) injection is administered to a nursing woman.

Paediatric Use: Safety and effectiveness of Iron sucrose (Referis) injection in paediatric patients have not been established.

Geriatric Use: No overall differences in safety were observed between these subjects and younger subjects, and other reported clinical experience has not identified differences in responses between the elderly and younger patients, but greater sensitivity of some older individuals cannot be ruled out.

I

Caution: Before using check for absence of sediments. The injection should be discarded if any visible particles appear

mm 00 208.

Overdose: Dosages of Iron Sucrose (Referis) injection in excess of iron needs may lead to accumulation of iron in storage sites leading to haemosiderosis. Periodic monitoring of iron parameters such as serum ferritin and transferring saturation may assist in recognizing iron accumulation. Iron Sucrose (Referis) injection should not be administered to Patients with iron overload and should be discontinued when serum ferritin levels equal or exceed established guidelines. Particular caution should be exercised to avoid iron overload where anemia unresponsive to tratement has been incorrectly diagnosed as iron deficiency anemia. Symptoms associated with over dosage or infusing Iron sucrose (Referis) injection to rapidly included hypotension, headache, vomiling, nausea, diziness, joint actess, paraesthesis, abdominal and muscle pain, dema, and cardiovascular collapse. Most symptoms have been successfully treated with IV fluids, aleviate symptoms. **Contraindications:** 

alevale symptoms. **Contraindications:** The use of Iron Sucrose (Referis) injection is contraindicated in patients with evidence of iron overload or hereditary disturbances in utilization of iron, in patients with known hypersensitivity to iron Sucrose (Referis) injection or any of its inactive compounds and in patients with anemia not caused by iron deficiency, known serious hypersensitivity to other parenteral iron products.

Caution: Foods, Drugs, Devices and Cosmetics Act prohibits dispensing without prescription.

Availability : Pack of 5 ampoules in a tray

Storage: Store at temperatures not exceeding 30°C. Keep out of reach of children.

Marufactured by: Imported & Distributed by: Maive Pharma Private Limited No.32, Sipcol Lindustrial Complex, Phase 1, Hosur-635126, Tamil Nadu, INDIA. Gil Puyat Ave, Brgy, Bel-Air, Makati City