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Iron Isomaltoside 1000

National Cancer Institute

Source

National Cancer Institute. *Iron Isomaltoside 1000*. NCI Thesaurus. Code C92584.

An intravenous colloidal solution containing trivalent iron (Fe^{3+}) chelated to isomaltosides, used as iron replacement. The iron in iron isomaltoside 1000 is strongly bound to the carbohydrate particles; each particle contains a trivalent iron core and a carbohydrate shell of isomaltosides which protects and stabilizes the iron core. This results in low levels of free iron and decreases inorganic, unbound iron-related toxicities thereby allowing for administration of higher doses of iron as compared to other iron-containing formulations. Upon parenteral administration and degradation of the carbohydrate shell, the iron in iron isomaltoside 1000 is released and replenishes iron stores.