IRON SUPPLEMENTS

A guide for midwives

Oral iron supplements are available in a range of formulations. Amount of elemental iron (iron available for absorption) and rate of absorption varies by formulation. The table below lists elemental iron content for a selection of popular oral formulations and estimated cost of treatment at a standard therapeutic dose of 100 mg elemental iron per day.

Information in this handout is based on best available sources and is as complete as possible. Cost estimates are approximate and based on listed prices at major retailers (2020).

FERROUS SALTS	Inexpensive and well-absorbe	ed, but as	ssociated w	ith gastrointestina	ol side-effects. All form	ulations hav	e similar rates of absorption an	d side effect profiles.
Formulation	Brand name / Manufacturer	Dose	Elemental iron/dose	Amt needed to reach 100 mg/day	One month treatment (Quantity	100 mg/day) Cost	Notes Other vitamins and minerals	Diet considerations
Ferrous Gluconate	Iron 50 mg Timed Release / Jamieson	50 mg	50 mg	2 capsules	1 bottle	\$11.65	Enteric-coated	V GF LF
	Ferrous Gluconate / Life	306 mg	35 mg	3 tablets	1 bottle	\$4.76	Enteric-coated	V GF LF SF YF
	Floradix Iron Tablet / Salus	25 mg	10 mg	10 tablets	3.75 boxes	\$82.46	B1, B2, B3, B6, B12, C, folic acid	V DF K YF
	Floradix / Salus	10 mL	10 mg	100 mL syrup	6 x 500 mL bottles	\$239.94	B1, B2, B6, B12	V K LF
	Floravit / Salus	10 mL	10 mg	100 mL syrup	4.25 x 700 mL bottles	\$233.70	B1, B2, B6, B12	V _G YF LF K
Ferrous Sulphate	Ferrous Sulfate / Life	300 mg	60 mg	2 tablets	2/3 bottles	\$5.99	Enteric-coated	V GF LF SF YF
	Ferrotrate / Nutrichem	137 mg	27 mg	4 capsules	1.3 bottles	\$37.69	C	V _G GF SF GF YF
Ferrous Fumarate	Palafer / Bausch	300 mg	100 mg	1 capsule	1 package	\$32.49		
	Palafer cf / Bausch	300 mg	100 mg	1 capsule	1 package	\$39.98	C, folic acid	
	Ferrous Fumarate / Life Brand	200 mg	65.7 mg	1.5 capsules	1/2 bottle	\$3.00		GF LF SF YF
	Fera-Pro / Replete Neutraceuticals	600 mg	150 mg	1 capsule	1/3 bottle	\$16.00	B12, C, folate, glycine	V _G DF GF
	Fera-Pro / Replete Nutraceuticals	350 mg	75 mg	2 capsules	2/3 bottle	\$29.00	B12, C, folate, glycine	V _G DF GF
	Fera-Pro / Replete Nutraceuticals	300 mg	30 mg	4 capsules	1.2 bottles	\$58.80	B12, C, folate, glycine	V _G DF GF
	Iron Factors / Natural Factors	87 mg	35 mg	3 capsules	1 bottle	\$17.67	B12, C, folic acid	
FERRIC SALTS	Not as well-absorbed as ferro	us salts.						
Formulation	Brand name / Manufacturer	Dose	Elemental iron/dose	Amt needed to reach 100 mg/day	One month treatment (Quantity	100 mg/day) Co st	Notes Other vitamins and minerals	Diet considerations
Ferric Pyrophosphate	IRONsmart / Lorna Vanderhaeghe	20 mg	15 mg	7 capsules	4 bottles	\$76.60	B2, folic acid	V _G DF GF SF
	Ortho Iron / AOR	358 mg	30 mg	4 capsules	4 bottles	\$143.80	B6, B12, C, folic acid, zinc, copper	V GF
	Ortho Iron Vegan / AOR	284 mg	30 mg	4 capsules	2 bottles	\$71.90	B6, B12, C, folic acid, zinc, copper	V _G DF GF
	Hemoplex Liquid / Nu-Life	10 mL	10 mg	100 mL	6 bottles	\$187.32	B1, B6, B12, C, folic acid, riboflavin, niacinamide	V DF GF YF

V Vegetarian

Vg Vegan

V NOT vegetarian

DF Dairy-free

NF n LF

ABBREVIATIONS

GF Gluten-free

NF Nut-free

NF Nut-free LF Lactose-free SF Soy-free WF Wheat-free
YF Yeast-free
K Kosher

H Halal

Rx: Ferrous fumarate
200 mg
100 tabs

2X daily, between meals Refill X2 midwife signature registration #

Prescribing iron

Writing a prescription for over-the-counter products like iron or prenatal vitamins may allow for coverage by extended benefits plans and the Ontario Drug Benefits Program.



OTHER FORMULATIONS Most are promoted as having fewer GI side effects than ferrous or ferric salts.									
Formulation	Brand name / Manufacturer	Dose	Elemental iron/dose	Amt needed to reach 100 mg/day	One month treatment (Quantity	100 mg/day) Cost	Notes Other vitamins and minerals	Diet considerations	
Chelated Iron / Iron Bisglycinate	Sisu Gentle Iron / Sisu	25 mg	25 mg	4 capsules	2 bottles	\$22.98	Enteric coated, folic acid	V DF GF SF	
	Iron Bis-Glycinate 20 / CANPrev	~387 mg	20 mg	5 capsules	1.6 bottles	\$41.58	B6, B12, C, folic acid, magnesium, copper	V _G DF GF SF WF	
	Mild Iron / Life	~100 mg	28 mg	4 capsules	1.3 bottles	\$12.65	B12, C, folate	GF LF SF	
	Easylron / Platinum Naturals	~100 mg	18 mg	6 capsules	1.5 bottles	\$62.28	B6, B12, C, folate	DF GF YF	
	Gentle Iron / Nature's Bounty	~100 mg	28 mg	4 capsules	1.3 bottles	\$12.72	B12, C, folate		
	Chelazome Iron / Trophic	125 mg	25 mg	4 caplets	1.3 bottles	\$16.18		V _G DF GF SF WF YF	
Carbonyl Iron	Ferro-C / Douglas Laboratories	~270 mg	27 mg	4 capsules	2 bottles	\$52.24	B6, B12, C, E, folate, riboflavin, thiamine, niacinamide		
Polysaccharide-Iron	Bio-Ferra / Cyto-Matric	5mL	20 mg	25 mL	2.5 bottles	\$73.73		V G	
Complex	FeraMAX 150 / BioSyent Pharma	150 mg	150 mg	1 capsule	1 package	\$34.00		VG	
Combinations									
ferrous fumarate iron citrate iron bisglycinate	Iron Therapy/Nu-Life	145 mg	35 mg	3 capsules	1.5 bottles	\$42.53	B2, B6, B12, C, folic acid, lactobacillus acidophilus	V _G DF GF NF SF YF	
ferrous succinate 250 mg liquid liver fractions (heme iron)	Enzymatic Therapy Ultimate Iron Complex / Nature's Way	~335 mg	25 mg	4 capsules	1.3 bottles	\$25.99	B12, C, folate, liquid liver fractions		
Heme Iron	Proferrin / Colorado Biolabs	11 mg	11 mg	9 tablets	3 bottles	\$245.85	Derived from bovine hemoglobin	⊗v	
Heme Iron	Opti-fer Alpha / Volo Healthcare	11 mg	11 mg	9 tablets	4.5 bottles	\$215.96	Derived from bovine hemoglobin, no gelatin	GF H	
Non-heme Iron	Blood Builder / MegaFood	~166 mg	26 mg	4 tablets	1.3 bottles	\$72.27	B12, C, folate, beet root	V _G DF GF SF K	
Non-heme iron	Vitamin Code RAW Iron / Garden of Life	~417 mg	22 mg	5 capsules	5 bottles	\$112.45	B12, C, folate, organic fruit and vegetable blend, probiotics	V GF K	
Non-heme iron	Nova Scotia Organics Iron + Vitamin C / Naturally Nova Scotia Organics	~79 mg	9 mg	11 caplets	5.5 bottles	\$186.23	C, curry leaf and acerola berry extract	v	

Maximizing iron tolerability

- Offer clients a lower starting dose (50-80 mg/day). Build to a higher dose (100-200 mg/day) over five days OR
 offer two weeks at lower dose and test for response. Increase dose PRN.
- While iron absorption is best when taken on an empty stomach, GI side-effects are reduced when taken with food.
- Taking iron before bed may reduce GI upset.

Maximizing iron absorption

- Take 200 mg of vitamin C for 30 mg of iron. Vitamin C is often added to iron supplements, but rarely in amounts sufficient to aid iron absorption.
- Avoid calcium within one to two hours of taking iron supplements (dairy, antacids, or other supplements).
- Avoid coffee and black tea for one to two hours after taking iron.
- Avoid enteric-coated supplements. Enteric coating decreases GI side-effects but also interferes with absorption.

Sources