



CLINICAL CHEMISTRY



Iron-SL

FOR THE QUANTITATIVE MEASUREMENT OF IRON

METHOD: FERENE®; ENDPOINT

Iron measurements are used as an aid to monitor and diagnose anemia, hemochromatosis, chronic inflammatory disorders, hepatitis and lead poisoning.

SEKISUI'S Iron-SL assay uses a spectrophotometric method that is reliable, convenient, and is intended for the measurement of iron in serum.

Features	
<ul style="list-style-type: none"> Two part stable liquid, ready to use reagent 	<ul style="list-style-type: none"> Applicable to multiple instrument platforms
Benefits	
<ul style="list-style-type: none"> Easy to use, no additional preparation required Sample pretreatment is not required 	<ul style="list-style-type: none"> Laboratory flexibility
Performance Characteristics	
<p>Precision</p> <ul style="list-style-type: none"> Within-Run: $\leq 0.8\%$ Total Precision: $\leq 1.6\%$ <p>Accuracy^(a)</p> <ul style="list-style-type: none"> Slope: 1.00 Intercept: $-5 \mu\text{g/dL}$ ($-1 \mu\text{mol/L}$) Correlation Coefficient: 0.9995 <p>Linearity</p> <ul style="list-style-type: none"> 8 - 1000 $\mu\text{g/dL}$ (2 - 179 $\mu\text{mol/L}$) 	<p>No Significant Interferences Up to Levels Indicated</p> <ul style="list-style-type: none"> Hemoglobin: 100 mg/dL (15.5 $\mu\text{mol/L}$) Bilirubin: 40 mg/dL (684 $\mu\text{mol/L}$) Intralipid: 1000 mg/dL (3000 mg/dL (33.9 mmol/L) Simulated Triglycerides) <p>Reference Range⁽¹⁾</p> <ul style="list-style-type: none"> Male: 65 - 170 $\mu\text{g/dL}$ (11.6 - 30.4 $\mu\text{mol/L}$) Female: 50 - 170 $\mu\text{g/dL}$ (8.9 - 30.4 $\mu\text{mol/L}$)

(a) The performance of this method (y) was compared with the performance of a similar commercially available method (x) on a Roche/Hitach[®] analyzer.

(1) Burtis, Carl A., Ashwood, Edward R. (Ed), *Tietz Textbook of Clinical Chemistry*, Second Edition, W.B. Saunders Company, Philadelphia, London, Toronto, Montreal, Sydney, Tokyo, p. 2062 and 2195, 1994.

Iron-SL

Ordering Information

	Configuration	Catalog Number
IRON-SL	R1 3 X 100mL R2 1 X 75mL 1 x 10mL CALIBRATOR*	157-30
DC-CAL CALIBRATOR	5 x 3mL	SE-035
DC-TROL LEVELS 1 & 2	Level 1 5 x 5mL Level 2 5 x 5mL	SM-057

*Calibrator for Manual Assays Only

To learn more about our clinical chemistry reagent products scan the QR code or go to [Clinical Chemistry Reagents – SEKISUI Diagnostics](#).



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