

# 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"> <li>• Two part stable liquid, ready to use reagent</li> <li>• Excellent lipemic interference</li> </ul> | <ul style="list-style-type: none"> <li>• Applicable to multiple instrument platforms</li> </ul> |
|--|---|

## Benefits:

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Easy to use, no additional preparation required</li> <li>• Sample pretreatment is not required</li> </ul> | <ul style="list-style-type: none"> <li>• Laboratory flexibility</li> </ul> |
|--|--|

## Performance Characteristics

### Precision

- Within-Run:  $\leq 0.8\%$
- Total Precision:  $\leq 1.6\%$

### Accuracy<sup>(a)</sup>

- Slope: 1.00
- Intercept:  $-5 \mu\text{g/dL}$  ( $-1 \mu\text{mol/L}$ )
- Correlation Coefficient: 0.9995

### Linearity

- 8 - 1000  $\mu\text{g/dL}$  (2 - 179  $\mu\text{mol/L}$ )

### No Significant Interferences Up to Levels Indicated

- 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)

### Reference Range<sup>(1)</sup>

- 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/Hitachi® analyzer.

# 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.

## Ordering information

	Configuration	Catalog Number
<b>IRON-SL</b>	R1 3 X 100mL R2 1 X 75mL 1 x 10mL <b>CALIBRATOR*</b>	157-30
<b>DC-CAL Calibrator</b>	5 x 3mL	SE-035
<b>DC-TROL Level 1</b>	10 x 5mL	SM-052
<b>DC-TROL Level 2</b>	10 x 5mL	SM-056

(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.

\*Calibrator for Manual Assays Only



Experience + Technology + Portfolio + Support = **CLINICAL CHEMABILITY™**

### THE AMERICAS

Sekisui Diagnostics, LLC  
4 Hartwell Place  
Lexington, MA 02421  
Phone: 800 332 1042  
Fax: 800 762 6311  
Email: [questions@sekisui-dx.com](mailto:questions@sekisui-dx.com)

### INTERNATIONAL

Sekisui Diagnostics (UK) Limited  
Liphook Way, Allington  
Maidstone, Kent, ME16 0LQ, UK  
Phone: +44 1622 607800  
Fax: +44 1622 607801  
Email: [info@sekisui-dx.com](mailto:info@sekisui-dx.com)



*Because every result matters™*

[www.sekisuidiagnostics.com](http://www.sekisuidiagnostics.com)