

# Unsaturated Iron Binding Capacity (UIBC-SL)

FOR THE QUANTITATIVE MEASUREMENT OF UNSATURATED IRON BINDING CAPACITY (UIBC)

**METHOD: FERENE®; ENDPOINT**

UIBC measurements are used in combination with serum iron as an aid to diagnose and monitor various iron disorders.

The Sekisui UIBC-SL assay uses a superior iron chelating agent forming a Ferene® complex with ferrous iron. It is intended for the measurement of unsaturated iron binding capacity in serum.

## Features:

- Two part stable liquid ready to use reagent
- Wide linear range\*
- Applicable to multiple chemistry platforms

## Benefits:

- Easy to use, no additional reagent preparation required
- Reduces the need for diluting and repeat testing
- Flexible testing, well suited for use with fully automated procedures

## Performance Characteristics

### Precision

- Within-Run:  $\leq 5.0\%$
- Total Precision:  $\leq 5.7\%$

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

- Slope: 1.065
- Intercept: 2.0 mg/dL (0.4  $\mu\text{mol/L}$ )
- Correlation Coefficient: 0.9937

### Linearity

- 17 - 600  $\mu\text{g/dL}$  (3.0 - 107.4  $\mu\text{mol/L}$ )

### No Significant Interferences Up to Levels Indicated

- Bilirubin: 40 mg/dL (684  $\mu\text{mol/L}$ )
- Intralipid: 1000 mg/dL (3000 mg/dL (33.9 mmol/L) Simulated Triglycerides)
- Hemoglobin: 400 mg/dL (62  $\mu\text{mol/L}$ )

### Reference Range

- 126 - 382  $\mu\text{g/dL}$  (22.6 - 68.4  $\mu\text{mol/L}$ )

(a) The performance of this method (y) was compared with the performance of a similar UIBC method (x) on a Roche/Hitachi® analyzer.

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## Ordering information

	Configuration	Catalog Number
UIBC-SL	R1 1 x 100mL R2 1 x 25mL	153-10
UIBC-SL	R1 3 x 100mL R2 1 x 75mL	153-30
UIBC-SL	R1 1 x 500mL R2 1 x 300mL	153-50
UIBC-SL	R1 1 x 1000mL R2 1 x 240mL	153-90
DC-UIBC-CAL CALIBRATION MATERIAL	6 x 10mL	SE-090
DC-LINEATE LINEARITY MATERIAL	LEVEL 1 2 X 5mL LEVEL 2 2 X 5mL LEVEL 3 2 X 5mL	SE-091

\*Compared to the reference range



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

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DIAGNOSTICS

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