

LAB

UIBC Liquid

Unsaturated Iron-Binding
Capacity

NEW FORMULATION:
TWO LIQUID REAGENTS



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DIAGNOSTICS

UIBC Liquid

Two Liquid Reagents

Features and Advantages

- Liquid and ready to use
- Linearity up to 500 µg/dL
- Sensitivity: 20 µg/dL
- Reagent onboard stability: 10 days
- Excellent correlation with other similar methods available on the market
- Reagents filled in Universal Vials suitable for AU series, ADVIA series, Roche Modular, Hitachi 917, DIRUI series, Mindray BS-800
- Standard material included in the kit
- Calibration onboard stability: 12 days

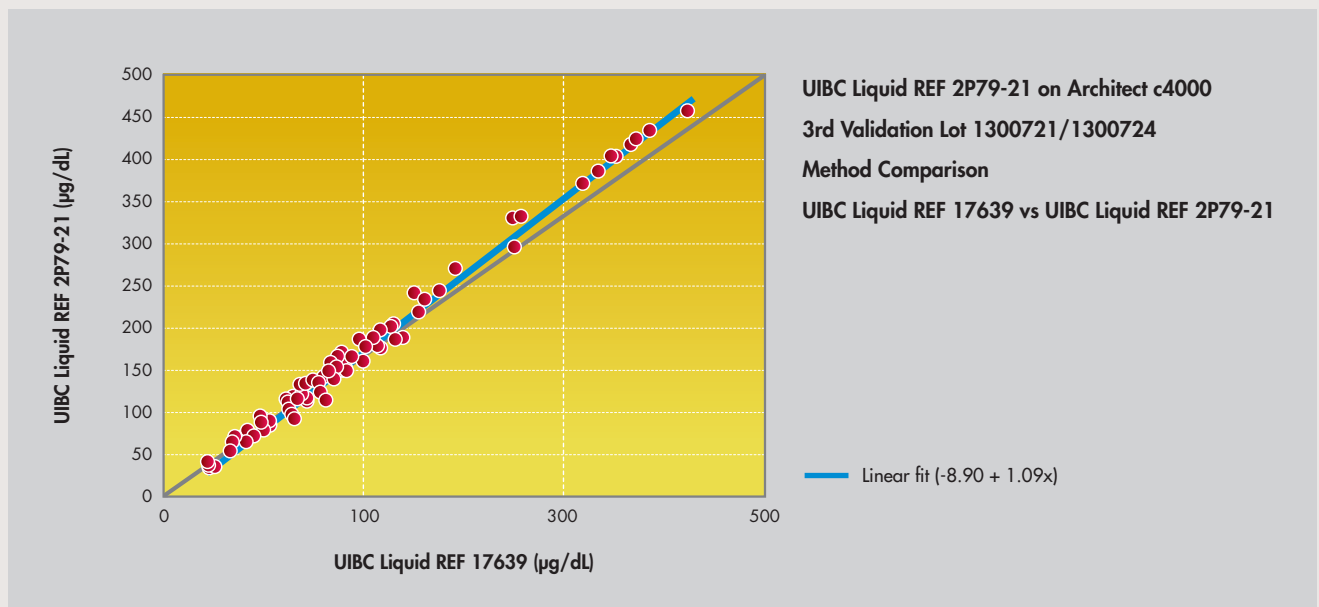
Principle

The serum sample is added to an alkaline buffer/reductant solution containing a known concentration of iron to saturate the available iron-binding sites on transferrin.

The remaining unbound iron after transferrin saturation is reduced to a ferrous state and then complexed by Ferene-S to form a stable complex, of which the colour intensity is measured at 580 to 600nm.

UIBC is therefore determined by subtracting the quantity of unbound iron from the total added quantity.

Method Comparison



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