

# INSULIN ASSAY

510(k) Exempt 🧲

### **IDEAL FOR CLINICAL CHEMISTRY ANALYZERS**

- Improves laboratory efficiency and workflow
- Reduced sample handling
- Fast test results (under 10 minutes)
- Small sample size of 12  $\mu$ L

### **OUTSTANDING ANALYTICAL PERFORMANCE**

- Offers excellent sensitivity, precision and limit of detection (LOD)
- Precise results (Within-Run): < 2.0%
- Wide linear range: 1 100 µIU/mL

### DIAZYME OFFERS A UNIQUE SUITE OF DIABETIC BIOMARKERS

- Insulin
- Enzymatic Glycated Albumin (GSP)
- Enzymatic Direct HbA1c



### INNOVATIONS IN CLINICAL DIAGNOSTICS



### Insulin

Method	Immunoturbidimetric Assay		
Correlation	Serum Samples: • $y = 0.8061x + 2.8674$ • $R^2 = 0.997$ • $N = 32$ Plasma Samples: • $y = 0.8161x + 45552$ • $R^2 = 0.986$ • $N = 47$		
Precision	When a sample is assayed 5 times (Within-Run) the absorbance C.V. is ≤ 10%		
Calibration	6-Point Calibration		
Sample Type	• Serum • Plasma - Heparin - EDTA		
Sample Volume	12 µL		
Assay Range	1 - 100 μIU/mL		

### Assay Procedure



Parameter questions for Insulin Assay should be addressed to Diazyme technical support. Please call 858.455.4768 or email <u>support@diazyme.com</u>

## INSULIN ASSAY

### **IMPROVED ASSAY CONVENIENCE**

- Use serum, heparinized plasma or EDTA plasma
- Liquid stable format requires no reagent preparation
- Calibration set available separately
- Liquid high and low controls available separately

### Within-Run

The following results were obtained on a Hitachi 917 analyzer with human serum:

	Sample 1	Sample 2	Sample 3
Ν	10	10	10
Mean (µIU/mL)	18.81	27.82	73.17
Std. Dev.	0.224	0.192	0.760
CV	1.19%	0.69%	1.04%

### **Between-Runs**

The following results were obtained on a Hitachi 917 analyzer with human serum:

	Sample 1	Sample 2	Sample 3
Ν	10	10	10
Mean (µIU/mL)	12.21	25.9	68.74
Std. Dev.	0.530	0.777	1.693
CV	4.34%	3.00%	2.46%

### **DIAZYME LABORATORIES**

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