

## TEST CHANGE

Proinsulin, Intact/Insulin Ratio	)	
0070256, PRO INS		
Specimen Requirements:		
Patient Preparation:	Patient must be fasting for 12-15 hours prior to collection.	
Collect:	Serum <u>separator tube</u> Separator Tube (SST).	
Specimen Preparation:	Separate from cells ASAP or within 2 hours of collection. Transfer 1 mL serum to an ARUP <u>standard transport</u> <u>tubeStandard Transport Tube</u> and freeze immediately. (Min: 0 mL)	
Transport Temperature:	CRITICAL FROZEN. Separate specimens must be submitted when multiple tests are ordered.	
Unacceptable Conditions:	Heparinized plasma. Vitreous or I.V. fluids. Hemolyzed specimens.	
Remarks:		
Stability:	After separation from cells: Ambient: Unacceptable; Refrigerated: <u>2448</u> hours; Frozen: 2 months (avoid repeated freeze/thaw cycles)	
Methodology:	Quantitative Chemiluminescent Immunoassay (CLIA)//Quantitative Chemiluminescent Immunoassay (CLIA)	
Performed:	Tue, Thu	
Reported:	1-6 days	
Note:		
CPT Codes:	84206; 83525	
New York DOH Approval Status:	This test is New York DOH approved.	
Interpretive Data:		
insulin glargine, and insulin lispro	on a nearly equimolar basis with the analogs insulin aspart, . Insulin detemir exhibits approximately 50 percent cross- ulin glulisine is negligible (less than 3 percent). To convert to	

pmol/L, multiply <u>by 6.0. <sub>µ</sub>IU/mL by 6.0.</u>

Proinsulin, Intact: Fasting intact proinsulin values above the reference interval indicate a possible insulin secreting pancreatic tumor (insulinoma) in patients with hypoglycemia. Fasting intact proinsulin values range from 3 to 50 pmol/L in patients with untreated type 2 diabetes.



## Reference Interval:

Test Number	Components	Reference Interval		
	Insulin, Fasting	3-25 μIU/mL		
	Proinsulin, Intact			
		Age	pmol/L	
		0-17 year	Not established	
		18 years and older	Less than or equal to 8.0	
	Proinsulin, Intact/Insulin Ratio Calc			
		Age	Ratio (%)	
		0-17 years	Not established	
		18 years and older	0.8-21.7	