

Amylase Direct Reagent

FOR THE QUANTITATIVE MEASUREMENT OF α -AMYLASE

METHOD: DIRECT (CNPG₃); KINETIC

α -Amylase measurements are used to diagnose pancreatitis and other pancreatic diseases.

The Sekisui Direct Amylase assay involves the use of a chromogenic substrate, 2-chloro-4-nitrophenol (CNPG₃). The methodology enables direct measurement of α -amylase without the use of auxiliary enzymes. It is intended for the quantitative measurement of α -amylase activity in serum and plasma.

Features:

- One part stable liquid; ready to use reagent
- Short reaction time with no lag phase
- Precise
- No significant interferences from triglyceride, glucose, ascorbic acid, bilirubin or hemoglobin

Benefits:

- Easy to use, no additional reagent preparation required
- Faster throughput on automated analyzers
- Confidence in results
- Reduces repeat testing and the need for sample dilutions

Performance Characteristics

Precision

- Within-Run: $\leq 1.4\%$
- Total Precision: $\leq 1.7\%$

Accuracy^(a)

- Slope: 0.9
- Intercept: -2.50 U/L
- Correlation Coefficient: 0.9985

Linearity

- Up to 2000 U/L

No Significant Interferences Up to Levels Indicated

- Liposyn: 3000 mg/dL (1%)
- Triglyceride: 3000 mg/dL (33.9 mmol/L)
- Ascorbic Acid: 50 mg/dL (2840 μ mol/L)
- Unconjugated Bilirubin: 50 mg/dL (855 μ mol/L)
- Conjugated Bilirubin: 50 mg/dL (593 μ mol/L)
- Hemoglobin: 500 mg/dL (77.5 μ mol/L)
- Glucose: 2000 mg/dL (111 mmol/L)

Reference Range

- 20-104 U/L

(a) The performance of this method (y) was compared with the performance of another α -amylase method (x) on a Roche/Hitachi® 911 analyzer.

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Ordering information

| | Configuration | Catalog Number |
|-------------------------------|---------------|----------------|
| Amylase Direct Reagent | 10 x 5 mL | 80-5383-00 |
| Amylase Direct Reagent | 1L | 80-5451-00 |



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

THE AMERICAS

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DIAGNOSTICS

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