

CALKINE α – AMYLASE KIT**Direct Substrate Method****Intended Use:** _____

α -Amylase is secreted by the pancreas into the duodenum where it aids the catabolism of carbohydrates to simple sugars. Damage to the pancreas or obstruction to the pancreatic duct causes the enzyme to enter the blood stream. Elevated levels are found in acute pancreatitis, perforated/ penetrating peptic ulcers, paraotitis (mumps). Patients with chronic pancreatic disorders having pancreatic cell destruction do not have high levels as less amylase is produced by the pancreas. Calkine α -Amylase kit uses the Direct Substrate method to determine Amylase in serum.

Calkine α -Amylase Kit components:

L1	Amylase Reagent
C	Bovine Serum Control

System Parameters

Reaction: Kinetic	Interval: 60 sec
Wavelength: 405nm	Sample Vol.: 0.02 ml/0.01 ml
Zero Setting: Distilled water	Reagent Vol.: 1.00 ml
Incub. Temp: 30°C/37°C	Standard: -
Incub. Time: -	Factor: 3954/7830
Delay Time: 60 sec	React. Slope: Increasing
Read Time: 180 sec	Linearity: 1000 U/L
No. of Read: 4	Units: U/L

Storage / Stability	Temperature	Duration
Unopened Kit	2 – 8°C	18 Months
In use stability	2 – 8°C	18 Months
Reconstituted Control	2 – 8°C	3 Days

Available Pack Sizes	
2 x 10 ml	4 x 25 ml