

SNAP cPL Test

Test accuracy

Repeatability (qualitative precision)

Repeatability studies were conducted by running multiple replicates of five canine serum pools on SNAP® cPL™ Test devices. The canine pancreas-specific lipase (cPL) concentration of each canine serum pool was measured using the Spec cPL® Test. SNAP cPL Test devices were run and visually interpreted by a single operator, and results were tabulated as either N (normal) or A (abnormal). Within-day and day-to-day repeatability were determined by running n = 10 replicates per pool over 3 days. The results of this study are guidelines.

SNAP® cPL™ Test repeatability (qualitative precision)

cPL concentration (µg/L) as determined by Spec cPL® Test	Expected interpretation	Observed interpretation			
		Day 1	Day 2	Day 3	Overall
52	N	10/10 N	10/10 N	10/10 N	30/30 N
120	N	10/10 N	10/10 N	10/10 N	30/30 N
337	A	10/10 A	10/10 A	9/10 A	29/30 A
561	A	10/10 A	10/10 A	10/10 A	30/30 A
1,000	A	10/10 A	10/10 A	10/10 A	30/30 A

Agreement with Spec cPL Test reference method

A user group study was conducted to evaluate agreement between SNAP cPL Test visual results and Spec cPL Test quantitative results.

Study design

- Twenty canine serum samples with known Spec cPL Test concentrations were assayed on SNAP cPL Test devices.
- Each device was visually interpreted twice by each of 14 veterinary professionals for a total of 28 observations per sample (total n = 560).
- Veterinary professionals were blinded as to the Spec cPL Test concentrations of the samples.

Results

96% (536) of the interpretations were correct.

Statistical significance

With 95% confidence, there is 94.0%–97.4% agreement between the SNAP cPL and Spec cPL test methods.