

InSight qLabs Veterinary Coagulation Analyser Evaluation

Data

The InSight™ qLabs® is an important tool to help diagnose conditions in relation to pre-operative checks for at risk animals, toxins and systemic diseases, hereditary bleeding disorders, excessive bleeding and disseminated intravascular coagulopathy (DIC). The InSight™ qLabs® requires only one drop (10µl) of non-anticoagulated whole blood directly from the syringe.

The InSight qLabs Coagulation analyser was compared against the Idexx Coag DX analyser for Cat samples and the Quickvet for Dog samples.

Cat

Reference Ranges	PT (Seconds)	APTT (Seconds)
InSight qLabs	13 - 20	96 - 122
Idexx Coag Dx	15 - 22	65 - 119

PT			aPTT		
Sample	qLabs	Idexx	Sample	qLabs	Idexx
1	15	20	1	111	89
2	17	21	2	109	78
3	15	18	3	109	88
4	14	16	4	111	83
5	17	16	5	126	125
6	16	18	6	108	83
7	15	20	7	107	83
8	14	19	8	106	97
9	16	18	9	110	83
10	15	18	10	115	98
Mean	15	18	Mean	111	91

The PT and APTT results from the InSight qLabs and the Idexx Coag DX correlated well when compared with the analysers specific reference ranges.

Dog

Reference Ranges	PT (seconds)	APTT (seconds)
InSight qLabs	14 - 20	94 - 123
Quickvet	14 - 29	75 - 105

PT			aPTT		
Sample	qLabs	QuickVet	Sample	qLabs	QuickVet
1	17	17	1	128	111
2	17	19	2	128	159
3	15	17	3	116	98
4	14	17	4	106	105
5	17	19	5	103	102
6	15	16	6	103	115
7	14	17	7	109	99
8	18	16	8	109	108
9	16	15	9	169	114
10	17	18	10	111	101
11	31	30	11	125	107
12	15	16	12	110	97
13	17	19	13	111	101
14	15	16	14	110	97
15	17	18	15	95	97
Mean	17	18	Mean	116	107

The PT and APTT results from the InSight qLabs and the Quickvet correlated well when compared with the analysers specific reference ranges. There were 2 raised APTT results on the Quickvet which reported as normal on the InSight qLabs. A raised APTT was not expected for these patients and is possibly due to preanalytical variables.