Clinical Experiment Report of the
InSight Urinalysis Veterinary Urine Test Strips

1. Experimental Objective

Through animal clinical testing, verify that the InSight Urinalysis Veterinary Urine Analyser and the accompanying InSight Urinalysis Veterinary Urine Test Strips meet animal clinical testing requirements.

2. Test Equipment

Prepare the following necessary test materials according to the test requirements.

Test Instrument – InSight Urinalysis Veterinary Urine Analyser
Reference Instrument – Beckman Biochemical Analyser
Test Paper – InSight Urinalysis Test Paper 5 Cylinder (Lot No.: 56161136)

The Beckman Biochemical Analyser is equipped with PRO and CR reagents.

Accuracy reference solution of each matching urine test strip (prepared before use).

3. Experimental Method

3.1 Clinical Test

48 animal samples were collected from the vet hospital. The samples were tested on the InSight Urinalysis Veterinary Urine Analyser and supporting InSight Urinalysis Veterinary Urine Test Strip. The test results were expressed by reflectivity and semi-quantitative results.

Clinical Data on Protein/Creatinine Ratio

Requested T/P Ratios								
Range	0-0.2	0.2-0.5	0.5-1.0	1.0-2.0	>2.0	3FP	>.5 Total	Bracket
Beckman	9.0	4.0	10.0	12.0	12.0	47.0	34.0	Beckman
InSight 1	6.0	8.0	8.0	8.0	18.0	48.0	34.0	InSight 2
	Normal	Monitor	Possible	Sick	Very Sick			

	Sample No.	Beckman Reference PRO	Beckman Reference CRE	Beckman TP/CR	Unit 1	InSight Unit 2	Max 10 InSight Unit 1	Max 10 InSight Unit 2	Max 2 InSight Unit 1	Max 2 InSight Unit 2	Max 2 Beckman	Bracket	
1	57	73	50	1.5	1.0	1.8	1.0	1.8	1.0	1.8	1.5		OK
2	406	40.8	315	0.1	0.3	0.2	0.3	0.2	0.3	0.2	0.1	FP	?
3	823	4.8	96	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1		OK
4	332	52	81	0.6	0.8	1.0	0.8	1.0	0.8	1.0	0.6		OK
5	374	83.8	138	0.6	0.5	0.4	0.5	0.4	0.5	0.4	0.6		OK
6	251	26.7	46	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.6	Low	OK
7	400	122.6	118	1.0	2.1	1.4	2.1	1.4	2.0	1.4	1.0		OK
8	614	175.2	24	7.3	35.7	27.0	10.0	10.0	2.0	2.0	2.0		OK
9	748	18.9	158	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		OK
10	816	207.5	61	3.4	5.8	8.3	5.8	8.3	2.0	2.0	2.0		OK

11	837	106.8	130	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.8		OK
12	10	71.3	193	0.4	0.7	0.5	0.7	0.5	0.7	0.5	0.4	High	OK
13	256	624.4	280	2.2	2.5	2.4	2.5	2.4	2.0	2.0	2.0		OK
14	300	609.5	151	4.0	2.6	2.5	2.6	2.5	2.0	2.0	2.0		OK
15	379	76.2	92	0.8	1.1	1.3	1.1	1.3	1.1	1.3	0.8	High	OK
16	601	333.4	62	5.4	7.0	7.0	7.0	7.0	2.0	2.0	2.0		OK
17	6	53.2	88	0.6	0.9	1.3	0.9	1.3	0.9	1.3	0.6	High	OK
18	247	19.4	332	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		OK
19	249	62.2	445	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.1	FP	?
20	345	6.2	91	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1		OK
21	520	138.3	68	2.0	6.3	4.8	6.3	4.8	2.0	2.0	2.0		OK
22	545	83.2	45	1.8	0.5	0.4	0.5	0.4	0.5	0.4	1.8	Low	Beckman?
23	557	88.9	64	1.4	1.4	0.9	1.4	0.9	1.4	0.9	1.4		OK
24	717	321	183	1.8	1.7	1.1	1.7	1.1	1.7	1.1	1.8		OK
25	746	71	126	0.6	0.9	1.1	0.9	1.1	0.9	1.1	0.6		OK
26	748	135.6	159	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.9	Low	OK
27	947	273.4	59	4.6	7.3	7.8	7.3	7.8	2.0	2.0	2.0		OK
28	63	104.5	69	1.5	2.6	2.8	2.6	2.8	2.0	2.0	1.5		OK
29	8	128.2	69	1.9	2.1	2.4	2.1	2.4	2.0	2.0	1.9		OK
30	207	115	97	1.2	1.9	1.0	1.9	1.0	1.9	1.0	1.2		OK
31	165	38.3	90	0.4	0.3	0.4	0.3	0.4	0.3	0.4	0.4		OK
32	928	108.1	72	1.5	1.3	1.2	1.3	1.2	1.3	1.2	1.5		OK
33	994	184.9	121	1.5	3.2	5.3	3.2	5.3	2.0	2.0	1.5		OK
34	404	134.7	170	0.8	1.6	1.3	1.6	1.3	1.6	1.3	0.8		OK
35	505	158.7	39	4.1	14.5	27.7	10.0	10.0	2.0	2.0	2.0		OK
36	509	22.3	252	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		OK
37	466	494.5	173	2.9	3.9		3.9		2.0		2.0		OK
38	943	13.4	19	0.7	0.5	0.2	0.5	0.2	0.5	0.2	0.7		OK
39	219	444.6	68	6.5	8.3	13.7	8.3	10.0	2.0	2.0	2.0		OK
40	159	116.6	64	1.8	1.3	1.3	1.3	1.3	1.3	1.3	1.8		OK
41	328	186.2	62	3.0	9.0	5.4	9.0	5.4	2.0	2.0	2.0		OK
42	355	56.4	242	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.2		OK
43	487	21	435.0	0.0	0.23	0.3	0.23	0.3	0.23	0.3	0.0	FP	?
44	395	467	266	1.8	2.5	2.6	2.5	2.6	2.0	2.0	1.8		OK
45	651	274.3	104	2.6	5.6	6.5	5.6	6.5	2.0	2.0	2.0		OK
46	134	13	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		OK
47	136	46.6	259	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2		OK
48	220	67.5	43	1.6	4.0	5.3	4.0	5.3	2.0	2.0	1.6		OK

4. Conclusion

Through clinical comparison tests of the InSight Urinalysis Veterinary Urine Analyser with InSight Urinalysis Veterinary Urine Test Strips, we confirmed that the InSight Urinalysis Veterinary Urine Analyser and the InSight Urinalysis Veterinary Urine Test Strips reached 80% consistency with the comparison analyser in animal clinical testing.