

Supplementary Table 1. Presenting complaints for the 252 dogs and 126 cats of our urine specific gravity study.

	Dogs	Cats
Acute kidney injury	6	5
Adenocarcinoma	0	1
Alopecia	1	2
Allergic skin disease	1	1
Ameloblastoma	1	0
Anorexia	1	0
Apathy	8	3
Ascites	2	0
Borreliosis	1	0
Chronic kidney disease	14	21
Clinically normal	30	10
Cystitis	13	15
Cystolithiasis	10	10
Diabetes	4	3
Dyspnea	3	0
Ectopic ureter	2	0
Epilepsy	9	1
Fibrosarcoma	3	18
Gastroenteritis	21	9
Glioma	4	0
Heartworm disease	1	0
Hemangiosarcoma	1	0
Hepatitis	5	1
Hyperadrenocorticism	20	0
Hyperthyroidism	0	3
Hypoadrenocorticism	3	0
Hypothyroidism	1	0
Immune-mediated hemolytic anemia	3	0
Leishmaniosis	9	0

Leptospirosis	1	0
Loss of weight	5	5
Lymphoma	1	2
Mast cell tumor	6	0
Myelofibrosis	4	0
Neurologic deficit	15	2
Otitis media	1	0
Pancreatitis	0	1
Periodontopathy	1	3
Patent ductus arteriosus	1	0
Pituitary macroadenoma	3	0
Polyuria/polydipsia	13	4
Prostatitis	2	0
Pyelonephritis	1	0
Sepsis	1	0
Squamous cell carcinoma	3	2
Thrombocytopenia	4	1
Ureterolithiasis	1	3
Urinary incontinence	12	0

Supplementary Table 2. Comparisons of agreement between the single-scale and dual-scale refractometers.

	All samples (<i>n</i> = 378)	Dog samples (<i>n</i> = 252)	Cat samples (<i>n</i> = 126)
Fresh native urine			
Mean difference	0.001	<0.001	0.003
95% LOA	-0.002 to 0.004	-0.001 to 0.002	0.001 to 0.005
<i>p</i> value	<0.001	<0.001	<0.001
Fresh supernatant			
Mean difference	0.001	<0.001	0.003
95% LOA	-0.002 to 0.004	-0.001 to 0.002	0.001 to 0.005
<i>p</i> value	<0.001	0.002	<0.001

LOA = limits of agreement.