



IMMULITE 2000/2000 XPi Immunoassay System

Veterinary Testing



Companion animals and their owners must often rely on effective and highly specialized veterinary diagnostics to maintain a long-lasting relationship. Veterinary endocrinology employs immunoassays to provide quantitative measures of serum animal hormones to detect underlying pathogenesis responsible for thyroid, metabolic, anemia, and reproductive disorders.

Veterinary diagnostics has incorporated technologies and methods gained from mainstream healthcare to develop full-fledged veterinary assays. Siemens Healthineers implements the same quality standards for assay design and performance specifications as used for human-focused assays. Accurate results that drive better clinical outcomes are at the center of our commitment to veterinary medicine.

- Designed for clinical diagnostic accuracy, veterinary assays offer wide analytical measuring ranges, good precision, and sensitive detection capability.
- Collaboration with veterinary partners during product development ensures suitable assay ranges and performance expectations.
- Investment in assay development and improvement strengthens clinical relevance for our veterinary portfolio.

Veterinarians are becoming increasingly reliant on in vitro diagnostics to help them assess multispecies health conditions and make informed decisions. The IMMULITE® 2000 XPi Immunoassay System offers cost-effectiveness, reliability, and ease-of-use to meet growing veterinary testing demands quickly and easily.

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Immunoassay

Canine TLI
Canine Total T4
Canine TSH
Vet Cortisol
Vet Free T4

Assay characteristics

Assay	Specimen Type	Sample Volume (µL)	Time to First Result (min)	Measuring Interval	Analytic Sensitivity	Reagent Onboard Stability (days)	Calibration Interval (days)
Canine TLI	Serum	20	35	Up to 50 ng/mL	0.3 ng/mL	90	14
Canine Total T4	Serum	20	35	0.5–15 µg/dL 6.4–193 nmol/L	0.12 µg/dL 1.5 nmol/L	90	14
Canine TSH	Serum	25	65	0.03–12 ng/mL	0.01 ng/mL	90	14
Vet Cortisol	Serum	10	35	1.0–50 µg/dL 28–1380 nmol/L	—	90	28
Vet Free T4	Serum	10	35	0.3–6.0 ng/dL 3.9–77.2 pmol/L	LoB: 0.04 ng/dL 0.51 pmol/L LoD: 0.10 ng/dL 1.29 pmol/L FS: 0.25 ng/dL 3.2 pmol/L	90	14

Method comparison equations

Assay	Specimen Type	Comparative Assay (x)	Regression Equation	Sample Interval	Number of Samples (n)	Regression (r)
Canine Total T4	Serum	Coat-A-Count Canine Total T4 Assay	$y = 1.08(\text{CAC}) - 0.26 \mu\text{g/dL}$	0.64–8.07 µg/dL	161	0.937
Canine TLI	Serum	IMMULITE 1000 TLI Assay	$y = 0.993(\text{IML } 1000) + 0.33 \text{ ng/mL}$	Up to 48 ng/mL	218	0.993
		Double Antibody method	$y = 1.111(\text{Dab}) - 1.63 \text{ ng/mL}$	Up to 47 ng/mL	220	0.887
Canine TSH	Serum	IMMULITE TSH Assay	$y = 1.03(\text{IML}) + 0.03 \text{ ng/mL}$	0.1–50 ng/mL	50	0.998
Vet Cortisol	Serum	IMMULITE 2000 Cortisol Assay	$y = 1.00x + 0.001 \mu\text{g/dL}$	2.1–49 µg/dL	29	0.997
Vet Free T4	Serum	ADVIA Centaur® T4 Assay	$y = 0.99x + 0.20 \mu\text{g/dL}$ $y = 0.99x + 2.58 \text{ nmol/L}$	0.8–28.9 µg/dL 10.3–372.8 nmol/L	140	1.000

Ordering information

Assay	SMN No.	Product Code	Tests per Kit	Contents
Canine TLI	10380534	L2KLI2	200	Canine TLI Reagent Wedge (1 x 200 tests) Canine TLI Bead Pack (1 x 200) Canine TLI Adjustors 1 x 2.0 mL lyophilized low-level calibrator 1 x 2.0 mL lyophilized high-level calibrator
Canine Total T4	10380531	L2KCT2	200	Canine Total T4 Reagent Wedge (1 x 200 tests) Canine Total T4 Bead Pack (1 x 200) Canine Total T4 Adjustors 1 x 2.0 mL lyophilized low-level calibrator 1 x 2.0 mL lyophilized high-level calibrator
	10380528	L2KCT6	600	Canine Total T4 Reagent Wedge (3 x 200 tests) Canine Total T4 Bead Pack (3 x 200) Canine Total T4 Adjustors 3 x 2.0 mL lyophilized low-level calibrator 3 x 2.0 mL lyophilized high-level calibrator
Canine TSH	10380533	L2KKT6	600	Canine TSH Reagent Wedge (3 x 200 tests) Canine TSH Bead Pack (3 x 200) Canine TSH Adjustors 3 x 4.0 mL lyophilized low-level calibrator 3 x 4.0 mL lyophilized high-level calibrator
Vet Cortisol	11559788	L2KVCO2	200	Veterinary Canine Cortisol Reagent Wedge (1 x 200 tests) Veterinary Cortisol Bead Pack (1 x 200) Veterinary Cortisol Adjustors 1 x 3.0 mL lyophilized low-level calibrator 1 x 3.0 mL lyophilized high-level calibrator
	11559789	L2KVCO6	600	Veterinary Cortisol Reagent Wedge (3 x 200 tests) Veterinary Cortisol Bead Pack (3 x 200) Veterinary Cortisol Adjustors 2 x 3.0 mL lyophilized low-level calibrator 2 x 3.0 mL lyophilized high-level calibrator
Vet Free T4	10484863	L2KVF42	200	Veterinary Free T4 Reagent Wedge (1 x 200 tests) Veterinary Free T4 Bead Pack (1 x 200) Veterinary Free T4 Adjustors 1 x 2.0 mL lyophilized low-level calibrator 1 x 2.0 mL lyophilized high-level calibrator

At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering them on their journey toward expanding precision medicine, transforming care delivery, and improving patient experience, all made possible by digitalizing healthcare.

An estimated 5 million patients globally benefit every day from our innovative technologies and services in the areas of diagnostic and therapeutic imaging, laboratory diagnostics, and molecular medicine, as well as digital health and enterprise services.

We are a leading medical technology company with over 120 years of experience and 18,000 patents globally. Through the dedication of more than 50,000 colleagues in 75 countries, we will continue to innovate and shape the future of healthcare.

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