

Analytical Sensitivity and Specificity of PCR[®] Molecular Detection Kits

Product	Sample type	Sensitivity	Specificity	Study site
 <i>Babesia Species</i>	Whole blood	98.8%	97.5%	The Hebrew University of Jerusalem
 <i>Ehrlichia canis</i>	Whole blood	93.2%	100%	Department of Veterinary Medicine University of Bari
 <i>Anaplasma platys</i>	Whole blood	95%	100%	VBDDL North Carolina State University
 <i>Babesia gibsoni</i>	Whole blood	95%	100%	VBDDL North Carolina State University
 <i>Canine Distemper</i>	Nose swabs	100%	96.6%	CAVIDS Titer Testing Laboratory, University of Wisconsin
 <i>Pathogenic Leptospirosis</i>	Blood	92.6%	100%	Veterinary Diagnostic Laboratory, University of Wisconsin
 <i>Babesia canis</i>	Whole blood	91.2%	100%	Biogal Galed Labs
 <i>Leishmania infantum</i>	Whole blood/ lymph node	88%	100%	The Hebrew University of Jerusalem
 <i>Hepatozoon species</i> 	Whole blood	98.3%	100%	The Hebrew University of Jerusalem
 <i>Parvovirus</i> 	Plasma	100%	100%	CAVIDS Titer Testing Laboratory, University of Wisconsin
 <i>Feline Leukemia Virus</i>	Buffy coat/ plasma	93%	100%	Veterinary Diagnostic Laboratory, University of Wisconsin
 <i>Mycoplasma haemofelis</i>	Whole blood	95%	100%	Center for Companion Animal Studies, Colorado State University

All kits were validated using the gold standard Real-Time PCR method, with the exception of *Mycoplasma haemofelis*, which was evaluated using End-point PCR.