Biogal Galed Labs.

YOUR
DIAGNOSTIC
COMPANION

PCRun®
by Biogal Galed Labs.

PCRun® brings gold-standard reliability to your clinic

www.biogal.com

Diagnostic Method

The PCRun kits, developed by Biogal Galed Labs, is a point-of-care molecular detection system for veterinary use, targeting infectious diseases in small animals. It uses an isothermal PCR method, which doesn't require a thermocycler, making it faster and more accessible for vet clinics.

Benefits

Point of Care
No extra equipment; works in clinics, hospitals, and labs

Compact
Space-saving design for any lab or clinic

Fast
Produces results in about an hour

Accurate
High sensitivity, specificity, and scientific validation ensure reliability

Affordable
Ideal for routine diagnostics without breaking the budget

User-Friendly
Minimal training required

Applications

- **Symptomatic and Emergency Diagnostics** – Rapidly identify infectious pathogens in symptomatic animals or urgent clinical cases.
- **Outbreak Investigation & Containment** – Enable swift testing and response during disease outbreaks in kennels, shelters, and veterinary hospitals.
- **Pre-adoption or Breeding Screening** – Confirm infectious disease status before animal placement or reproduction.
- **Confirmatory Testing** – Support diagnosis when other tests yield inconclusive results or further validation is required.

Analytical Sensitivity and Specificity of PCRun® Molecular Detection Kits

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

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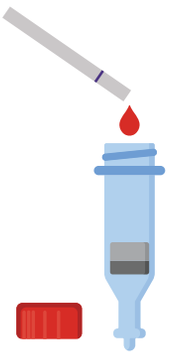
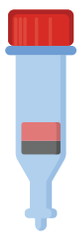
STEP 1 DNA EXTRACTION



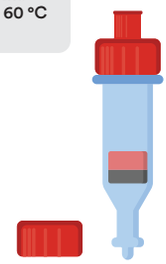
Add 50 µL sample to column

Heat at 95 °C for 5 min

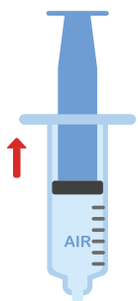


Remove from heat block, cool 1 min

Note: Adjust the heat block to 60 °C

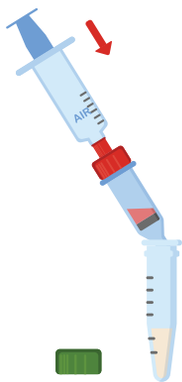


Change to luer lock cap



Fill the syringe with 10 ml air

Connect the syringe to luer lock cap and break off the tip



Place into collection vial. Displace 10 ml air

DNA

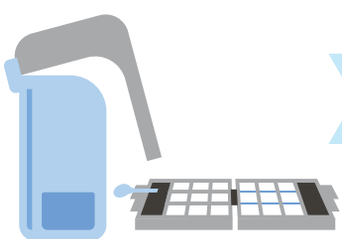
STEP 2 DNA AMPLIFICATION

Dispense 20 µL of DNA sample into reaction tube.
Incubate at room temperature for 1 min

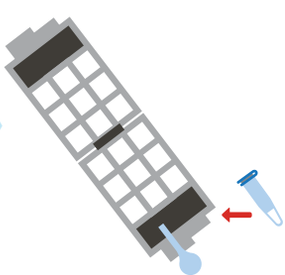
Incubate the reaction tube in heat block
60 min at 60 °C

Note:
For Parvovirus incubation only 25 min.

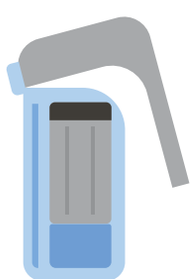
STEP 3 ANALYSIS OF RESULTS



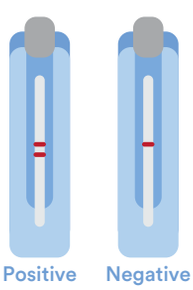
Take all components out of the package



Place reaction tube into cartridge and close



Place cartridge into detection chamber and press tight untill locked



Read the results at 15 min

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Scientific Studies

Received: 26 March 2021 | Accepted: 20 January 2022
DOI: 10.1111/jvim.16373

STANDARD ARTICLE

Journal of Veterinary Internal Medicine ACVIM Open Access
American College of Veterinary Internal Medicine

Effect of sampling site on the diagnosis of canine parvovirus infection in dogs using polymerase chain reaction

Gilad Segev[1] | Tal Yaaran[2] | Sarah Maurice[2] | Gad Baneth[1]

Scan for full article

pubvet
MEDICINA VETERINÁRIA E ZOOTECNIA
ISSN 1982-1263
https://doi.org/10.22256/pubvet.v12n6a108.1-4

Detecção molecular de *Babesia canis vogeli* em cães da cidade de São Luís – MA, Brasil

Lygia Silva Galeno [1*], Brenda Fernanda Sodré Moreno [1], Andressa Mendes Alves [1], Walkyria Conceição Fonseca [1], Clarissa Costa Durães [1], Douglas Marinho Abreu [1], Italo Marcelo Reis da Silva [1], Patrícia Thallyta Rocha Ferreira [1], Daniel Praseres Chaves [2]

Scan for full article

Thomson *et al. Parasites & Vectors* (2018) 11:350
https://doi.org/10.1186/s13071-018-2914-5

Parasites & Vectors

RESEARCH Open Access

A new TaqMan method for the reliable diagnosis of *Ehrlichia* spp. in canine whole blood

Kirsty Thomson[1*], Tal Yaaran[2], Alex Belshaw[1], Lucia Curson[1], Laurence Tisi[1], Sarah Maurice[2] and Guy Kiddle[1]

Scan for full article

Devices

HeatBlock

- **Compact and User-Friendly:** Perfect for in-clinic use.
- **Supports Two Critical PCRun® Steps:**
  - Step 1: DNA Extraction at 95°C for 5 minutes.
  - Step 2: Isothermal Amplification at 60°C for One Hour.
- **Dimensions:** 4 x 6 x 4.5 in. (10.5 x 15 x 11.5 cm)
- **Weight:** 2 lbs (1 kg)

Qube4

- **Integrated Reader:** Designed for PCRun® amplification and analysis.
- **PC-Connected:** Enables user interaction, data analysis, and real-time results.
- **Multi-Sample Capability:** Processes four reactions simultaneously.
- **Compact Design:** Perfect for clinics and labs.
- **Dimensions:** 6.8 cm x 6.8 cm x 6.5 cm (2.68 in. x 2.68 in. x 2.56 in.)
- **Weight:** 180 g (0.4 lbs).

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