

Qmini Nucleic Acid Extractor & Real-time PCR Analyzer



**Professional Technical Support from Bioguard's Reference Lab
Providing the Most Reliable Choice for In-Clinic PCR Testing**

Simple **3** steps

for PCR testing

Step 1: Nucleic Acid Extraction



Qmini BVG-1100 Nucleic Acid Extractor

- Small size and space-saving
- Magnetic beads technology
- Automated Nucleic Acid Extraction
- Processing 2 samples at the same time
- Processing time- 8 minutes
- Extracted nucleic acid can be stored for long run use, convenient for testing different items

Step 2: PCR Amplification



Qmini BVQ-1100 Real-time PCR Analyzer

- PCR-Taqman probes
- High sensitivity and specificity
- Testing up to 16 items at the same time
- Providing Ct value and amplification curve
- Auto-generated test reports
- High flexibility- detecting different specimens of pets simultaneously

Step 3: Report Generation



- #### PC
- WiFi Synchronous data transmission
 - Automatically generated testing reports
 - Customized logo and name of animal hospital

Canine Testing Items

Category	Item	CAT. NO.	Sample
Single	Canine Distemper Virus	PC05-1	🩸
	Canine Parvovirus	PC06-1	💩
	<i>Babesia canis</i> , <i>B. vogeli</i> , <i>B. gibsoni</i>	PC07-1	🩸
	<i>Ehrlichia</i> spp.	PC08-1	🩸
	<i>Anaplasma phagocytophilum</i>	PC10-1	🩸
Panel	<i>Leishmania</i> spp.	PC12-1	🩸
	Canine Parvovirus / Canine Coronavirus	PC15-1	💩
	<i>Babesia canis</i> , <i>B. vogeli</i> / <i>B. gibsoni</i>	PC16-1	🩸
	Canine Anemia Panel (6 items) <i>Babesia canis</i> , <i>B. vogeli</i> / <i>B. gibsoni</i> / <i>Borrelia burgdorferi</i> / <i>Ehrlichia</i> spp. / <i>Anaplasma phagocytophilum</i> / <i>Mycoplasma haemocanis</i>	PC17-1	🩸
	Canine Vector-Borne Pathogens Panel (4 items) <i>Borrelia burgdorferi</i> / <i>Ehrlichia</i> spp. / <i>Anaplasma phagocytophilum</i> / <i>Dirofilaria immitis</i>	PC18-1	🩸
	Canine Respiratory Panel (4 items) Canine Distemper Virus / Canine Adenovirus Type II / Canine Parainfluenza Virus / <i>Bordetella</i> spp.	PC19-1	👁️
	Canine GI Panel (4 items) Canine Parvovirus / Canine Coronavirus / <i>Giardia lamblia</i> / <i>Cryptosporidium</i> spp.	PC20-1	💩

Feline Testing Items

Category	Item	CAT. NO.	Sample
Single	Feline Coronavirus	PF01-1	💩
	Feline Calicivirus	PF02-1	👁️
	Feline Herpesvirus	PF03-1	👁️
	Feline Parvovirus	PF04-1	💩
	<i>Chlamydia felis</i>	PF05-1	👁️
	<i>Mycoplasma felis</i>	PF06-1	👁️
	Feline Immunodeficiency Virus	PF08-1	🩸
	Feline Leukemia Virus	PF09-1	🩸
	<i>Tritrichomonas foetus</i>	PF10-1	💩
	Feline Calicivirus/ Feline Herpesvirus	PF11-1	👁️
Panel	Feline Parvovirus/ Feline Coronavirus	PF13-1	💩
	Feline Immunodeficiency Virus/ Feline Leukemia Virus	PF14-1	🩸
	<i>Bartonella henselae</i> / <i>Toxoplasma gondii</i>	PF15-1	🩸
	Feline Respiratory Panel (4 items) Feline Calicivirus/ Feline Herpesvirus / <i>Chlamydia felis</i> / <i>Mycoplasma felis</i>	PF16-1	👁️
	Feline GI Panel (4 items) Feline Parvovirus/ Feline Coronavirus/ <i>Giardia lamblia</i> / <i>Tritrichomonas foetus</i>	PF18-1	💩
	Feline Stomatitis Panel (4 items) Feline Calicivirus/ Feline Herpesvirus/ Feline Immunodeficiency Virus/ Feline Leukemia Virus	PF19-1	👁️
	Feline Anemia Panel (4 items) <i>Mycoplasma haemofelis</i> , <i>Candidatus mycoplasma haemominutum</i> / <i>Bartonella henselae</i> / Feline Immunodeficiency Virus/ Feline Leukemia Virus	PF20-1	🩸

- 🩸 EDTA whole blood
- 💩 Pleural / Abdominal effusion
- 👁️ Eye / Nasopharyngeal swab
- 👉 Urine
- 💩 Feces / Anal swab
- 👄 Oral swab

[Sampling]

Blood : Draw 200 μL whole blood into the EDTA tube
Pleural effusion, abdominal effusion, urine : Collect 200μL

Swabs :

- **Feces** : Take the proper amount of feces with a swab, or moisten the swab with diluent and insert it into the anus for sampling.
- **Eye / Nasopharyngeal** : Swab under the eyelid and thoroughly wipe to collect eye swab samples; swab oral and nasal discharge properly to collect nasopharyngeal swab samples
- ★ After swab sample collection, quickly snap the swab handle, place it in the preservation buffer, and then shake it to fully dissolve the pathogen on the swab into the preservation buffer.

Recommendation:

Perform nucleic acid extraction and detection immediately after sample collection. Extracted nucleic acid can also be stored for additional testing, if necessary.

Pet Pathogen PCR Detection Kits (8 tests per box) need to be used with Nucleic Acid Extraction Kits (16 tests per box).

Qmini

BVG-1100 Nucleic Acid Extractor



Qmini

BVQ-1100 Real-time PCR Analyzer



Model	BVG-1100 Nucleic Acid Extractor
Methodology	Magnetic bead
Specifications	
Dimensions	226*207*205 mm
Weight	3.7 Kg
Package	
Dimensions	350*300*300 mm
Weight	4.2 Kg
Power supply	AC 110V/220V 50/60HZ
Shipping Env.	Keep away from moisture
Channel variance	CV≤5%
Operation Env.	
Temperature	10°C-40°C
Relative humidity	10%-90% RH
Altitude	2000 meters
Noise	<70dB
Magnetic bead recovery	>92%
Extraction time	<8min
Oscillation	3HZ
Contamination Con.	UV sterilization

Model	BVQ-1100 Real-time PCR Analyzer
Specifications	
Dimensions	268*236*188 mm
Weight	4.5 kg
Package	
Dimensions	400*400*400 mm
Weight	
Power supply	
Voltage	AC 110V/220V
Frequency	50HZ-60HZ
Connectivity	
Network connection	TCP/IP , Ethernet
Operating Conditions	
Temperature	10°C-35°C
Relative humidity	10%-95% RH
Atmospheric pressure	Standard atmospheric pressure
Altitude	2000 meters
Shipping Env.	Keep away from moisture
Noise	50dB

Canine/Feline Common Testing Items

Category	Item	CAT. NO.	Sample
Single	<i>Borrelia burgdorferi</i>	PFC01-1	🩸
	Heartworm (<i>Dirofilaria immitis</i>)	PFC02-1	🩸
	<i>Toxoplasma gondii</i>	PFC03-1	🩸
	<i>Cryptosporidium</i> spp.	PFC04-1	💩
	<i>Leptospira</i> spp.	PFC05-1	🩸
	<i>Giardia lamblia</i>	PFC06-1	💩
Panel	<i>Leptospira</i> spp. / <i>Toxoplasma gondii</i>	PFC10-1	🩸
	<i>Giardia lamblia</i> / <i>Tritrichomonas foetus</i>	PFC11-1	💩
	Zoonosis Panel (6 items) <i>Leptospira</i> spp. / <i>Toxoplasma gondii</i> / <i>Babesia canis</i> , <i>B. vogeli</i> / <i>B. gibsoni</i> / <i>Bartonella henselae</i> / <i>Dirofilaria immitis</i>	PFC13-1	🩸

Exotics Testing Items

Category	Item	CAT. NO.	Sample	
Single	Parrot Bornavirus	PE01-1	💩	
	Parrot Herpesvirus	PE02-1	💩	
	Pigeon Circovirus	PE03-1	💩	
	Mink Distemper Virus	PE05-1	🩸	
	Parrot Beak and Feather Disease Virus	PE06-1	🩸	
	Pigeon Paramyxovirus 1	PE07-1	👁️ (trachea, cloaca)	
	Turtle <i>Mycoplasma</i>	PE08-1	👁️	
	Rabbit <i>Encephalitozoon cuniculi</i>	PE09-1	🩸	
	Avian Polyomavirus	PE10-1	🩸	
	Pigeon Adenovirus	PE11-1	💩	
	Rabbit Hemorrhagic Disease Virus	PE13-1	🩸	
	Panel	Parrot Beak And Feather Disease Virus/ Avian Polyomavirus	PE14-1	🩸

