

ONLY \$495!

(TBD7) TICK-BORNE DISEASE PANEL 7

Comprehensive urine PCR panel
that tests for all of the major
tick-borne diseases

WHAT'S INCLUDED IN TBD7

TBD7 consists of seven real-time urine PCR tests developed using our proprietary hybrid-select method. PCR is considered the gold standard within the laboratory testing industry. Purchased separately, the cost of these tests would be \$1450. For a limited time, all seven tests can be purchased for only \$495!

OVERVIEW

IGeneX PCR tests offer enhanced performance compared to microbiological, immunological, and amplified tests that are currently available for the detection of microorganisms in test samples. Each PCR consists of a three-step process:

- 1. Selection hybridization step:** Specifically removes the "common PCR inhibitors" from the clinical sample while simultaneously selecting and purifying the DNA fragment of interest. This procedure also concentrates the fragment of interest, thereby improving sensitivity.
- 2. PCR amplification:** The purified pathogen DNA fragment of interest is PCR-amplified with pathogen-specific primers. This sequence "hybridizes" or binds specifically to pathogen DNA of interest under predetermined PCR conditions. Therefore, only pathogen-specific DNA is amplified.
- 3. Detection of amplified products:** The PCR-amplified products are transferred and bound to a nitrocellulose membrane. The membrane-bound, PCR-amplified products are hybridized with pathogen-specific probes. Only samples that have pathogen-specific DNA hybridize to the probes and give a blue-purple color dot on the membrane.

The combination of these three steps imparts very high specificity and sensitivity to the test.

- 1 LYME DISEASE PCR**
Detects *Borrelia Burgdorferi*-specific DNA in urine.
- 2 TBRF PCR**
Detects the specific DNA of relapsing fever *Borrelia* group and speciates to *B. miyamotoi*.
- 3 BABESIOSIS PCR**
Detects *Babesia* DNA in urine and speciates to *B. microti* and *B. duncani*.
- 4 BARTONELLOSIS PCR**
Detects *B. henselae*-specific DNA in urine.
- 5 EHRLICHIOSIS PCR**
Detects *Ehrlichia chaffeensis* (HME) DNA in urine.
- 6 ANAPLASMOSIS PCR**
Detects *Anaplasma phagocytophilum* (HGA) DNA in urine.
- 7 RICKETTSIOSIS PCR**
Detects *R. rickettsii* and *R. felis/typhi* DNA in urine.

* TBD7 is not yet available
for NY Residents

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IGeneX Inc.