

PRODUCT SHEET



Biomeme

PAN-BORRELIA (BORRELIA SPECIES) GO-STRIPS

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BIOMEME PAN-BORRELIA GO-STRIPS

Biomeme **Pan-Borrelia Go-Strips** detect *Borrelia* species DNA. Each product order comes in our field-friendly 3-well Go-Strip™ format designed for use in Biomeme's mobile PCR thermocyclers.

SAFETY WARNING

When working with our products, always wear appropriate personal protective equipment (PPE) (e.g. lab coat, disposable gloves with adequate chemical resistance, mouth/face protection, goggles, etc.) For more information, please review the product's safety data sheet(s) (SDS).

Contents

| Item | Quantity |
|------------------|---|
| Test Strip Pouch | 1x large pouch containing 10x small pouches. Each small pouch contains: - 1x 3-Well Test Strip - 1x 3-Cap Void Filling Cap Strip |

TECHNICAL CHARACTERISTICS

| Specifications | Dimensions |
|-----------------|------------------------------|
| Tube Type | Low-profile 0.1 mL PCR tubes |
| Reaction Volume | 20 μ L |

TEST PANEL SPECIFICATIONS

Biomeme's Pan-Borrelia Go-Strip is a duplex real-time PCR assay for detection of Borrelia species DNA. Target configuration is:

| | Well 1 | Well 2 | Well 3 |
|----------|-----------------|-----------------|-----------------|
| FAM | <i>Borrelia</i> | <i>Borrelia</i> | <i>Borrelia</i> |
| ATTO647N | <i>IPC</i> | <i>IPC</i> | <i>IPC</i> |

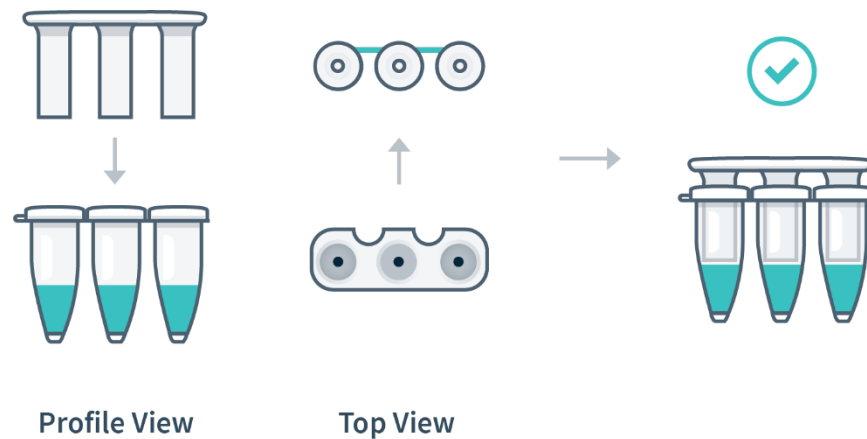
THERMOCYCLER PARAMETERS

| | Temperature (°C) | Duration |
|-----------------------------|------------------|-------------------------------------|
| Reverse Transcription | N/A | N/A |
| Initial Denature | 95 | 60 secs |
| Cycling Denature | 95 | 1 sec |
| Annealing | 60 | 20 secs |
| Extension | N/A | N/A |
| Melt Curve | N/A | N/A |
| Number of Cycles: 40 | | Total Reaction Volume: 20 µL |

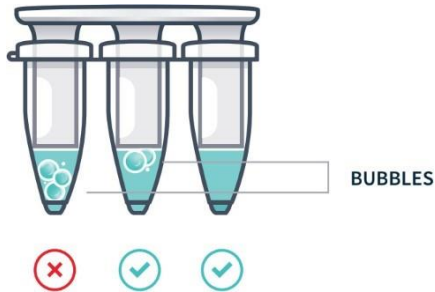
LOADING SAMPLE INTO GO-STRIP

Note: Contents of the test strip may shift during transport. When starting to work with any test, make sure the cake of the lyophilized reagent rests at the bottom of the wells. Tap the bottom of the sealed test strip gently but firmly against a solid surface before removing the foil strip and adding nucleic acid.

Transfer 20 µL purified sample into each well of the Go-Strip. Once all wells are filled, place the void filling cap into the strip. Align the Go-Strip and void filling cap so that the strip connections are visible through the cap cutouts.



Hold the strip firmly between your fingers and use one finger to secure the void filling cap inside of the strip. Then, with a gentle whipping motion of the wrist, slowly flick the tubes a few times to ensure bubbles are removed from the bottom of each tube.



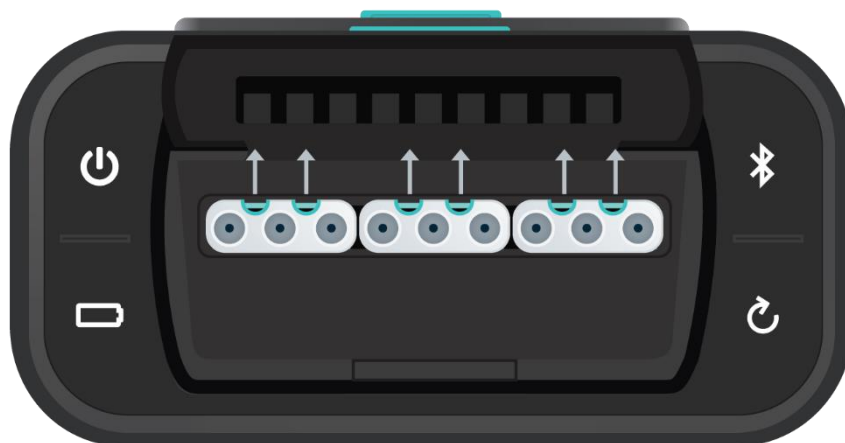
Note: Bubbles may remain at the top of a tube. This is acceptable. Bubbles at the bottom of the tube, however, are not acceptable.

PLACING INTO FRANKLIN™ THERMOCYCLER

Open the lid of your thermocycler by pressing the latch on top of the unit.

Place your Go-Strip, with the void filling cap inserted, into a 3-well slot. Do not worry if the void filling cap feels slightly loose. When the lid of the thermocycler is closed, it will secure the caps into place, sealing the PCR reaction.

It's important to make sure your Go-Strip is oriented correctly when placing it into your thermocycler. Make sure the strip connections that are visible through the void filling cap cutouts are facing the back of your thermocycler as shown in the illustration below, then close the lid.



Navigate to the Biomeme Go mobile application on your smartphone to begin your testing protocol. For further instructional information, please contact support@biomeme.com.

***Note:** After your run has completed, be careful when removing your Go-Strips and void filling caps to avoid liquid splatter.*

***Note:** Please transport your Franklin thermocycler in its carrying case. Additionally, moving your thermocycler while thermocycling could result in errors. We highly recommend not moving or opening the device while thermocycling to avoid losing your PCR run.*

STORAGE

All components of the Go-Strip should be stored in a dry place, at room temperature (15-30°C).

Once the large Go-Strip pouch has been opened, ensure that it is closed completely between use. Individual test strips should be used within a reasonable period of time after removal from individual foil pouch. Once opened, the dry reagent resists high humidity for up to one hour.

DISCLAIMER

***For Research Use Only.** Not for use in human or veterinary diagnostics. The performance characteristics of this product have not been established.*

Vector Surveillance assays are designed and optimized to detect DNA/RNA from insect or environmental samples. These tests are not designed or optimized, nor should they be used, to detect DNA/RNA from animal or human tissues.

Biomeme products may not be transferred to third parties, resold, modified for resale or used to manufacture commercial products or to provide a service to third parties without written approval of Biomeme, Inc.

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