

Go-P/P (Primer & Probe)

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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).

Go-P/P Kit Contents

BOX	ITEM	QUANTITY
Go-Strips	100 μ L exact volume pipette	10
Go-Strips	DNase/RNase Free Molecular Grade Water Tube	10
Go-Strips	Go-P/P Tube (each tube has enough for 9 PCR reactions)	10

Other Items You May Need

BOX	ITEM	QUANTITY
Accessories	10 μ L Pipette and a box of (96x) Pipette Tips (such as Biomeme) Fixed Volume Pipette Kit - 10uL (3000501)	1
Sample Prep	DNA or RNA Purification for up to 30x samples (such as Biomeme) M1 Sample Prep Cartridge Kit for DNA (3000134), DNA-HI (3000133), DNA-HI + Homogenization (3000095), or RNA (3000094)	1

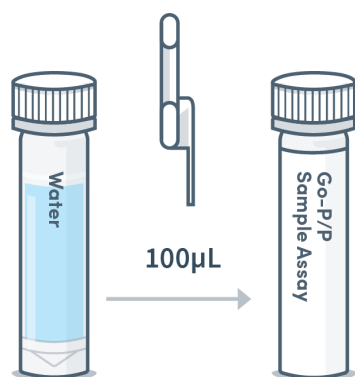
Master Mix and PCR Strips	DNA or RNA Master Mixes and PCR strips for up to 90x PCR reactions (such as Biomeme LyoDNA (3000030), LyoDNA + IPC (3000061), or LyoRNA (3000031) 3-Well Go-Strips with Void Filling Caps)	3
Thermocycler	Real-time qPCR Thermocycler (such as Biomeme Franklin three9 (1000003) and smartphone with Biomeme Go App)	1

Note: Depending on your sample type, you may require additional accessories for sample collection and preparation such as a mortar and pestle or homogenization kit. If you're unsure, please message support@biomeme.com for guidance.

DNA/RNA Extraction

If you haven't done so already, please complete sample preparation using your Biomeme DNA or RNA sample prep cartridge(s) or alternative method. For detailed instructions, please reference your **M1 Sample Prep Cartridge** product sheet.

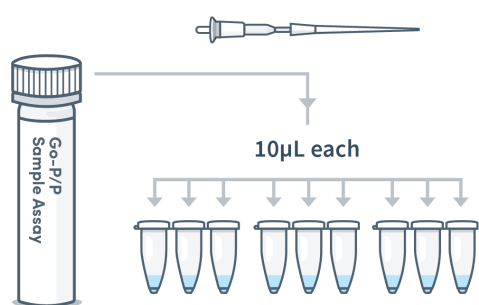
Resuspend Go-P/P Primers and Probe(s)



Resuspend your lyophilized primers and probe(s) to a 2x concentration by transferring 100µL of DNase/RNase free molecular grade water to your Go-P/P tube using the 100µL exact volume pipette.

1. Fully compress the bulb of your 100 μ L exact volume pipette.
2. Submerge the end of the pipette into your DNase/RNase free molecular grade water.
3. Release the bulb of your 100 μ L exact volume pipette.
4. Move the pipette to the Go-P/P tube.
5. With the tip in the Go-P/P tube, compress the bulb of your 100 μ L exact volume pipette.
6. Close the cap and flick the Go-P/P tube to mix contents thoroughly.
7. Spin or flick tube to get the now mixed contents of the tube to the bottom

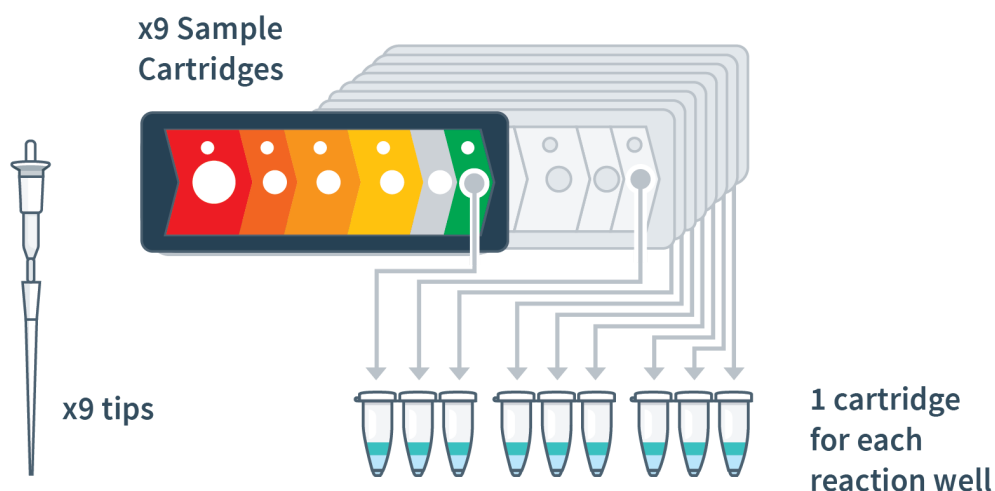
Transfer Resuspended Primers & Probe(s) to Go-Strips



Remove the foil strip from your LyoDNA, LyoDNA + IPC or LyoRNA master mix Go-Strips and attach a pipette tip to the end of your 10 μ L fixed volume pipette. Then, transfer 10 μ L of your resuspended 2x primers and probe(s) into each reaction well of the Go-Strips.

1. Make sure the contents of the Go-P/P tube are at the bottom of the tube. Tap the tube firmly on a hard surface if they are not.
2. Remove the foil strip from each LyoDNA, LyoDNA + IPC or LyoRNA Go-Strip if you haven't done so already.
3. Attach a pipette tip to the end of your 10 μ L fixed volume pipette.
4. Pipette 10 μ L of your resuspended 2x primers and probe(s) mix into each reaction well of each master mix Go-Strip (i.e. 3 Go-Strips, 9 reaction wells). Dispose of your tip before each transfer.

Transfer Purified Sample(s) to Go-Strips

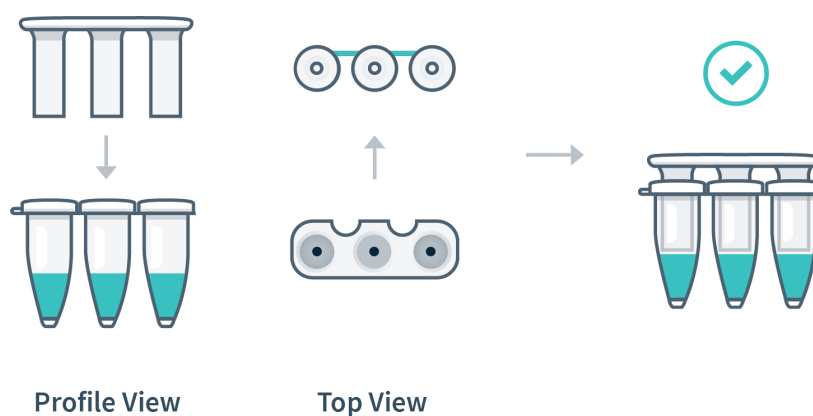


1. Attach a new pipette tip to your 10 μ L fixed volume pipette and transfer 10 μ L of purified sample from the green well of your DNA or RNA sample prep cartridge into one reaction well of your LyoDNA or LyoRNA master mix Go-Strips (1 cartridge for 1 reaction well).
2. Repeat until all Go-Strip reaction wells have been filled, but be sure to attach a new pipette tip before each transfer.

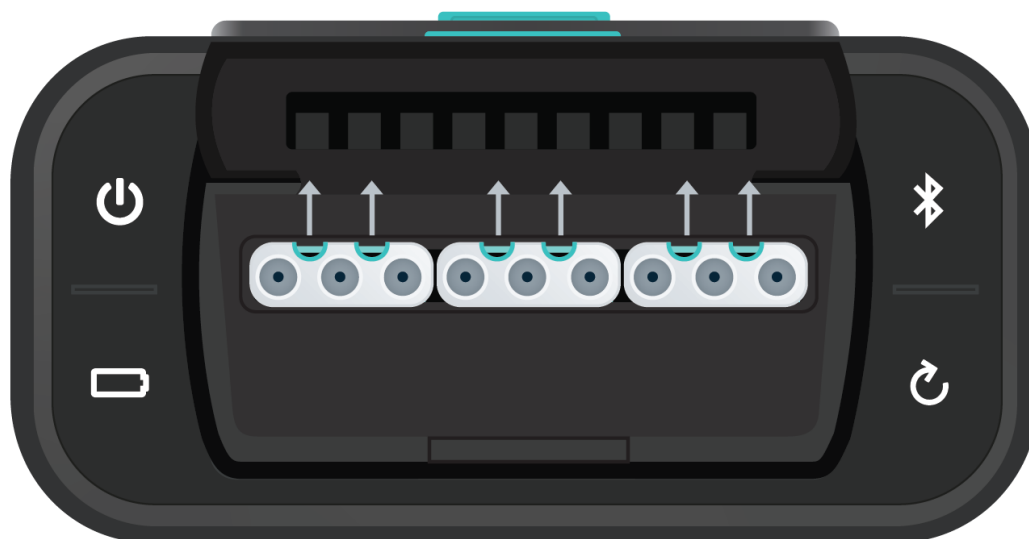
Note: If you plan to test 3 samples for up to 9 targets each, you'll need 3 Go-P/P vials and 3 sample prep cartridges. If you plan to test 1 sample for up to 27 targets each, you'll need 9 Go-P/P vials and 1 sample prep cartridge.

Cap and Load Go-Strips into Thermocycler

After each of your reactions are filled with 10 μ L P/P and 10 μ L purified sample, insert a void filling cap into each 3-well Go-Strip and place them securely into your Franklin thermocycler. Align the Go-Strip and cap so that the strip connections are visible through the cap cutouts.



Make sure the strip connections are facing the back of your thermocycler when inserted as shown here:



Navigate to the Biomeme Go mobile application on your smartphone to begin your testing protocol. For further instructional information about your thermocycler and the Biomeme Go mobile application, please reference their user manuals.

Storage

All components of Go-P/P should be stored in a dark and dry place, at room temperature (15-30°C). Once a Go-P/P vial has been opened, ensure that it is closed completely between use and store it between 4°C and -20°C.

Note: *Unopened Go-P/P vials can also be stored at 4°C rather than at room temperature (15-30°C).*

Disclaimer

For Research Use Only. Not for use in human or veterinary diagnostics. The performance characteristics of this product have not been established. The FDA or USDA have not evaluated the performance of this product. This product is not manufactured in an FDA or USDA-licensed facility.

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Biomeme, Inc.
1015 Chestnut Street, Suite 1401
Philadelphia, PA, USA 19107
support@biomeme.com

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