PRODUCT SHEET

Biomeme

Sample Homogenization Kit

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Table of Contents

Sample Homogenization Kit

Biomeme's **Sample Homogenization Kit** is used for mechanical lysis and homogenization of samples such as plant material, mosquito pools, ticks, tissue, soil and other solid material. The homogenized sample is then extracted via Biomeme M1 Sample Prep Kit. The purified nucleic acids with the M1 Sample Prep Kit are highly suited for real time PCR application.

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).*

Kit Contents

CONTENTS	QUANTITY
5mL Screw Cap Tube (Blue) with 1/2” Stainless Steel Ball	100x
1mL Transfer Pipette	10x
60mL Nalgene Bottle of Homogenization Biomeme Lysis Buffer (BLB)	4x

***Important**: The stainless steel ball bearing will react with the homogenization buffer and corrode, therefore DO NOT store the ball bearings in the homogenization buffer, instead aliquot buffer into tube immediately prior to use! If you would like to retain all the homogenized sample, transfer to a new tube (not supplied in kit) without ball bearing for storage.*

Recommended Protocol

1. Unscrew the 5mL blue-capped tube containing the ball bearing
2. Using a 1mL transfer pipette, add 2mL of homogenization buffer (BLB) to the blue-capped tube with the stainless steel ball bearing
3. Next, add your sample to be homogenized and tightly screw on the cap to the tube; maximum amounts of starting material:
    A. Tissue - up to 25mg
    B. Soil - up to 250mg
    C. Tick - 1 tick

4. Vigorously shake the tube with ball bearing for approximately 30 seconds (or until the sample is sufficiently homogenized) to mechanically disrupt the sample
    A. If large particulates are present, you may want to let the tube sit and allow the particulates to settle
5. Transfer the desired amount of supernatant to a Biomeme M1 Sample Prep Kit for downstream nucleic acid extraction. You can transfer up to 1.2 mL of supernatant. For soil, transferring 0.8 mL to 1.2 mL is recommended.

Storage

Biomeme Homogenization BLB should be stored in a dry place, at room temperature (15-25°C). When kept in their tubes, Biomeme supplied ball bearings without buffer have no expiration date.

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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