

Bode PunchPrep™ Instructions

Instructions for Use with the PowerPlex® 16 HS System

(See reverse side for instructions with the
AmpFSTR® Identifier® Direct Amplification Kit)

Catalog Number P09D79

For Enhanced On-Punch Amplification of Sample
DNA collected with Bode Buccal DNA Collector™

Package Contents

- 12 X 0.5mL—One Time Use Bode PunchPrep™ Vials
Each vial sufficient for 100 reactions
- Bode PunchPrep™ Instructions

Storage

Upon receipt, Bode PunchPrep™ should be stored at 4°C

Recommended Procedure

Materials Required

Bode PunchPrep™ Solution
Bode Buccal DNA Collector (s)
96 Well PCR Reaction Plate
PowerPlex® 16 HS System

Note: An initial sensitivity experiment will need to be performed to determine the appropriate cycle number to use during internal validation studies and operational use.

Method

1. Place 96 Well PCR Plate under an ionizing fan for 5–10 minutes to eliminate static.
2. Punch one 1.2 mm punch from each Bode Buccal DNA Collector™ being processed into individual wells of the 96 well PCR Reaction Plate.
3. Apply 2 µl of Bode PunchPrep™ directly onto the 1.2 mm punch in each well.
4. After applying the Bode PunchPrep™ solution to each sample, place the 96-well PCR Reaction Plate into a heat block preset at a temperature of 70°C. Keep the Reaction Plate in the heat block for twenty (20) minutes.
5. After the 20 minutes, remove the plate from the heat block.
6. Prepare the PowerPlex® master mix according to the PowerPlex® 16 HS System User Guide.
7. Add 25 µl of the PowerPlex® 16 HS master mix to each well.
8. Seal Reaction Plate with caps or an appropriate sealing material.
9. Centrifuge the Reaction Plate for 20 seconds at 1000 x g.
10. Place the plate on a thermal cycler programmed according to the PowerPlex® 16 HS manufacturer's protocol for **27** cycles.
11. When the amplification program has finished, continue processing the samples through the DNA analysis process per the user's specified processes.

Disposal of Unused Materials

Dispose of the contents of the waste tray and waste bottle in accordance with good laboratory practices and local, state/provincial, or national environmental and health regulations.



The Bode Technology Group, Inc.

10430 Furnance Road, Suite 107 • Lorton, VA 22079

866.263.3443 • www.bodetech.com • bode.service@bodetech.com

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