

DNA isolation

Using ZymoBIOMICS™ 96 MagBead DNA Kit for isolating DNA from swabs

Prep:

- 01 **Vortex** the collection tube with the swab for several seconds, follow by **quick spin**.
- 02 Transfer **250 µL** of the supernatant from the collection tube to the ZR BashingBead™ Lysis Tubes.
- 03 Add **750 µL** of ZymoBIOMICS™ Lysis Solution the Lysis Tubes. **Vortex at maximum speed for 10 minutes** at the RT.
- 04 Centrifuge the tubes at **10 000 g for 1 minute**.
- 05 Transfer **200 µL** of the supernatant into a new 1.5 mL tube and add **200 µL** of ZymoBIOMICS™ MagBinding Buffer.
- 06 Dispense **25 µl** of ZymoBIOMICS™ MagBinding Beads to each well
- 07 Transfer the tubes to a magnetic stand until the beads pellet, then aspirate and discard the supernatant and remove the tube from the stand.
- 08 Dispense **500 µl** of ZymoBIOMICS™ MagBinding Buffer and mix well by pipette.
- 09 Transfer the tubes to a magnetic stand until the beads pellet, then aspirate and discard the supernatant and remove the tube from the stand.
- 10 Dispense **500 µl** of ZymoBIOMICS™ MagWash 1 and mix well by pipette.
- 11 Transfer the tubes to a magnetic stand until the beads pellet, then aspirate, discard the supernatant, and remove the tube from the stand.
- 12 Dispense **900 µl** of ZymoBIOMICS™ MagWash 2 and mix well by pipette.
- 13 Transfer the tubes to a magnetic stand until the beads pellet, then aspirate, discard the supernatant, and remove the tube from the stand.
- 14 Repeat the wash (Steps 12-13)
- 15 Dispense **50 µl** of ZymoBIOMICS™ DNase/RNase Free Water and mix well by pipette.
- 16 Transfer the tubes to a magnetic stand until the beads pellet.
- 17 Transfer the supernatant (containing the eluted DNA) to a clean tube.