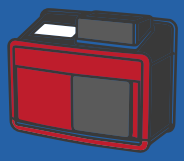
Universal Pathogen Nucleic Acid (66P-MS)Quick Guide



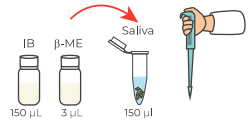
TANBEAD

Starting Materials
150 µL or 300 µL liquid-based sample
Dry swab
20-50 mg Solid Stool

Elution Volume
50 ~ 100 µL

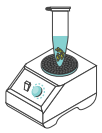
Saliva

STEP 1 Pretreatment



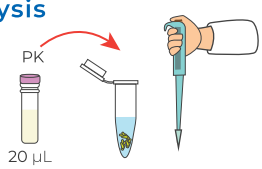
Add 150µL IB and 3µL β-ME into 1.5mL tube.

STEP 2 Vortex



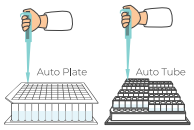
Vortex for thoroughly mixing

STEP 3 Lysis



Add 20 µL PK.

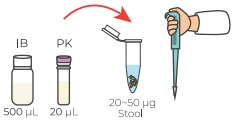
STEP 4 Loading Samples



Add 300~320 µL supernatant
then initiate the automatic process.

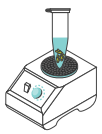
Stool (Solid stool)

STEP 1 Pretreatment



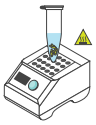
Add 500µL IB and 20µL Proteinase K into 1.5mL tube.

STEP 2 Vortex



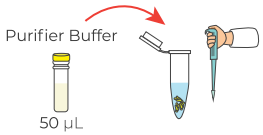
Vortex for thoroughly mixing

STEP 3 Incubation



Incubate at 60°C for 10 min

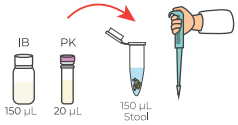
STEP 4 Add Reagent



Add 50 µL Purifier Buffer

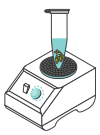
Stool (liquid stool)

STEP 1 Pretreatment



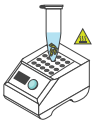
Add 150µL IB and 20µL Proteinase K into 1.5mL tube.

STEP 2 Vortex



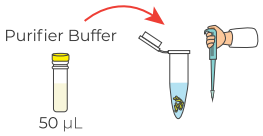
Vortex for thoroughly mixing

STEP 3 Incubation



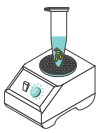
Incubate at 60°C for 10 min

STEP 4 Add Reagent



Add 50 µL Purifier Buffer

STEP 5 Vortex



Vortex for thoroughly mixing

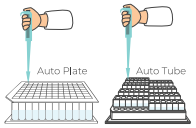
STEP 6 Incubation

Incubate on ice 5 min.

STEP 7 Centrifugation

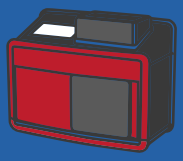
Centrifuge 14000xg , 1min

STEP 8 Loading Samples



Add 300~320µL supernatant, then initiate the automatic process.

Universal Pathogen Nucleic Acid (66P-MS)Quick Guide



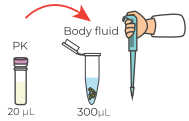
TANBEAD

Starting Materials
150 µL or 300 µL liquid-based sample
Dry swab
20-50 mg Solid Stool

Elution Volume
50 ~ 100 µL

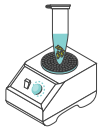
Body Fluid

STEP 1 Pretreatment



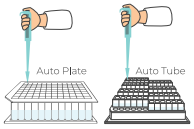
Add 20µL Proteinase K into 1.5mL tube.

STEP 2 Vortex



Vortex for thoroughly mixing

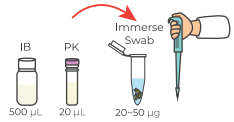
STEP 3 Loading Samples



Add 300~320µL supernatant, then initiate the automatic process.

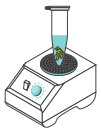
Dry Swab

STEP 1 Pretreatment



Add 500 µL Incubation Buffer and 20 µL Proteinase K into a 1.5 mL tube.

STEP 2 Vortex

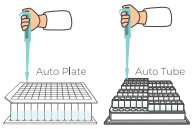


Vortex vigorously for 10 sec.

STEP 3 Incubation

Incubate at 60°C for 10 min.

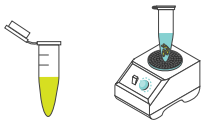
STEP 4 Loading Samples



Add 300~320µL supernatant, then initiate the automatic process.

Sputum

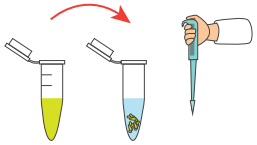
STEP 1 Vortex



Vortex for thoroughly mixing

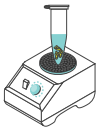
Prepare a fresh 2% β-ME solution in 1X PBS by vortexing vigorously for at least 10 sec.

STEP 2 Pretreatment



Add an equal volume of the 2% β-ME solution in 1X PBS to the sputum sample.

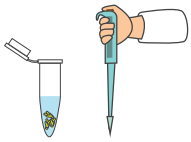
STEP 3 Vortex & Incubate



(1) Vortex for thoroughly mixing

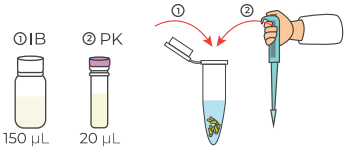
(2) Incubate at room temperature for at least 15 min, or until the sample is completely liquefied.

STEP 4 Prepare Sample



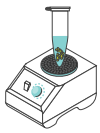
Add 150 µL liquefied sputum.

STEP 5 Pretreatment



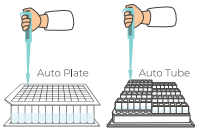
Add 150 µL IB and 20 µL PK

STEP 6 Vortex



Vortex for throughly mixing

STEP 7 Loading Samples



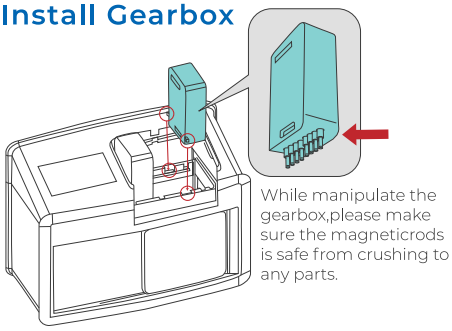
Add 300~320 µL supernatant
then initiate the automatic process.

Maelstrom™ Switch 8 Operation Quick Guide

TANBEAD

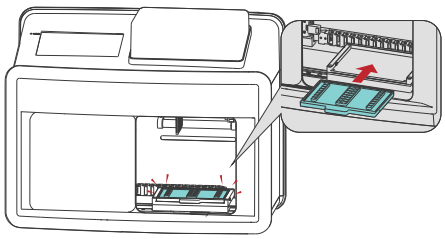
※Here is the illustration for CH 8 Gearbox with Auto Plate.

STEP 1
Install Gearbox



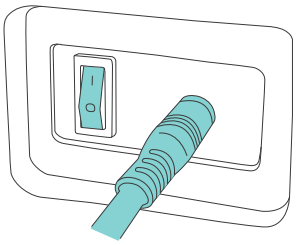
Power off. Open the top lid. Install one gearbox according to the sample type. Close the top lid.

STEP 2
Install Heating Plate



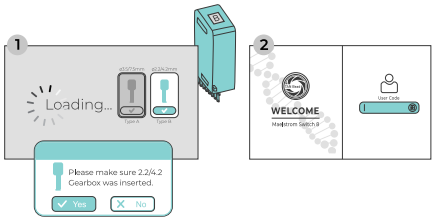
Open the door. Install the corresponding heating plate.

STEP 3
Power *On*



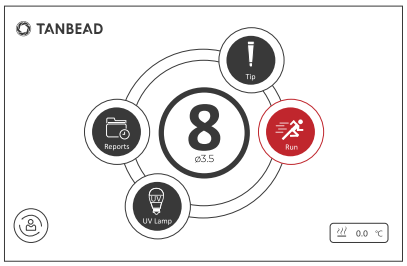
Power On the instrument.

STEP 4
Choose Rod Type and Login System



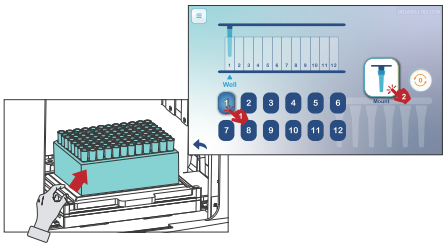
Select ø2.2/4.2mm (TANBEAD reagent). Confirm "YES", then log in with user code "333" for operation.

STEP 5
Prepare to Run



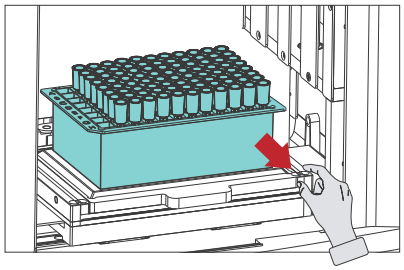
Tap first, double-tap the Program name from the OptiPure Blood DNA IFU, then follow the on-screen instructions.

STEP 6
Place the Spin Tips Assembled Box and Mounting Tips



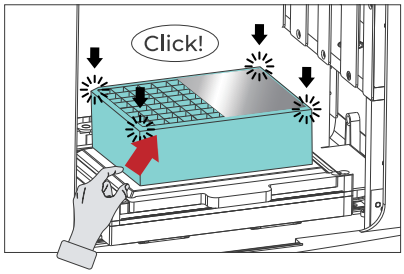
Place the spin tips assembled box onto the heating plate and insert the SW8, then tap the "mount" icon and confirm "YES" to start mounting.

STEP 7
Tip Box Removal



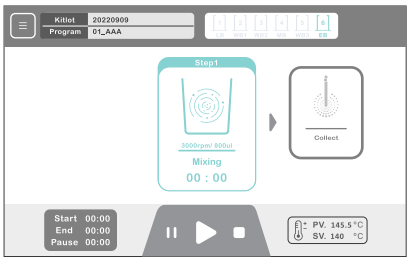
Remove the tip box after mount tips.

STEP 8
Start to Run



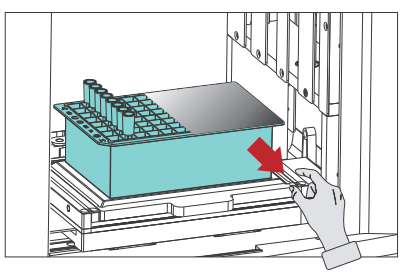
Install the reagent Plate (cut corner at bottom-left), press the four corners until it clicks, then press "YES" on the confirmation window to start the run.

STEP 9
Running Status



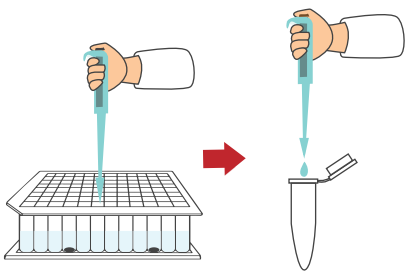
Check the display status. Tap on " ⏸ " to pause or " ■ " to stop and abort the run. When finished, " ✓ " icon will appear. Tap to enter the report and review the results. After reviewing the report, return to the previous page to perform tip ejection.

STEP 10
Extraction Complete

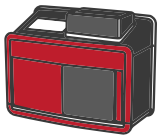


Remove extraction kit.

STEP 11
Transfer Nucleic Acids



Transfer the purified nucleic acid from column #6 / #12 to clean tube.



Maelstrom Switch 8

For more detailed information, please refer to the User manual within the following link.

Video How to Use

Video FAQ

User Manual

Taiwan Advanced Nanotech Inc. www.tanbead.com