Tissue Total DNA (6T2) Quick Guide

Starting Materials: 10 ~ 50 mg tissue; 2 x 10^5 ~ 10^6 cells

Elution Volume: 90 ~ 130 µL

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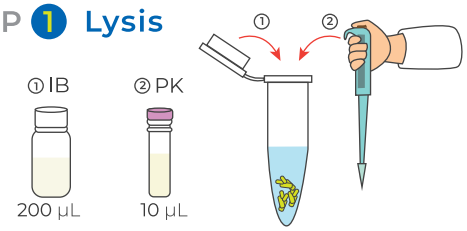
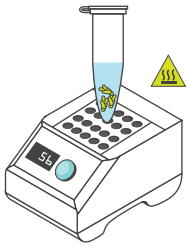
For Tissue Samples

STEP 1 Lysis



Place minced / grinded tissue into 1.5 mL tube then add 200 µL IB and 10 µL PK, and vortex thoroughly.

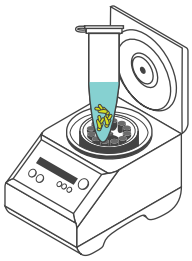
STEP 2 Incubation



Incubated at 56°C for approximately at least 1 hr on the heater

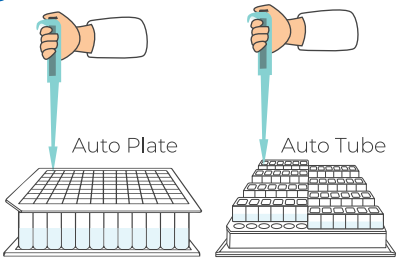
Note: Vortex 1~2 times during the incubation

STEP 3 Centrifugation



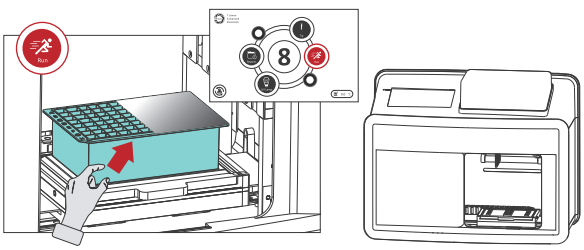
Centrifuge at 10,000 x g for 3 min

STEP 4 Extraction



Take the 200 µL supernatant / mixture as the sample for the following automatic process

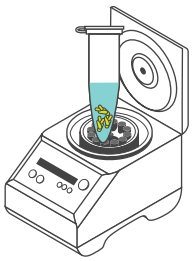
STEP 5 Prepare to Run



Place the extraction kit with cropped corner facing outwards. Tap ***Run*** icon. See back for Maelstrom Switch 8 Operation Quick Guide and start with ***Step 8***.

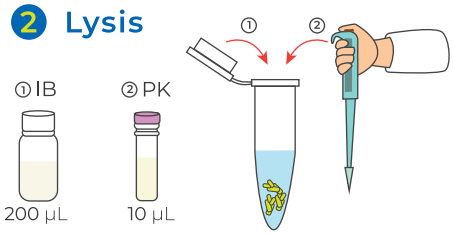
For Cultured Cells

STEP 1 Centrifugation



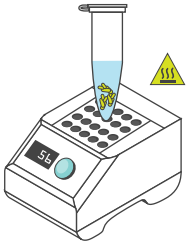
Centrifuge the cell suspension at 10,000 x g for 1 min and discard the supernatant

STEP 2 Lysis



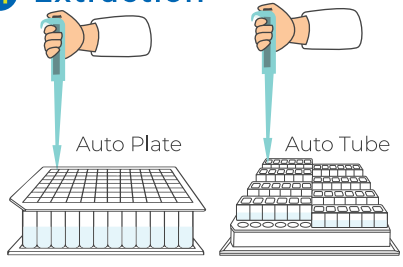
Add 200 µL IB and 10 µL PK, and vortex thoroughly.

STEP 3 Incubation



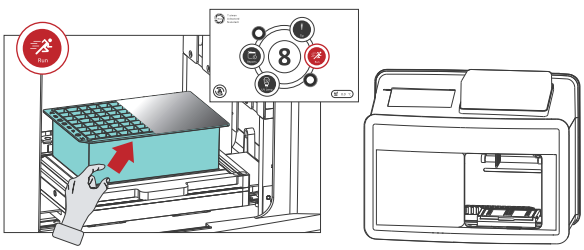
Incubated at 56°C for 10 min on the heater

STEP 4 Extraction



Take the 200 µL supernatant / mixture as the sample for the following automatic process

STEP 5 Prepare to Run



Place the extraction kit with cropped corner facing outwards. Tap ***Run*** icon. See back for Maelstrom Switch 8 Operation Quick Guide and start with ***Step 8***.

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Maelstrom™ Switch 8 Operation Quick Guide

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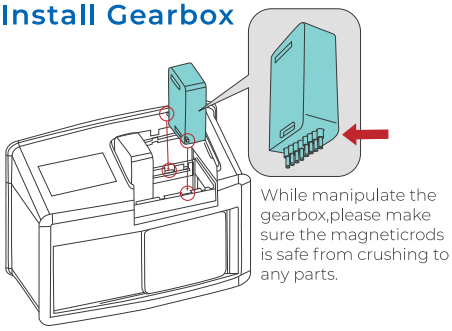
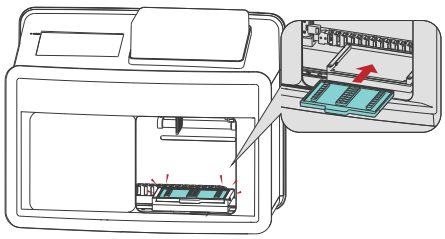
※Here is the illustration for CH 8 Gearbox with Auto Plate.

STEP 1
Install Gearbox



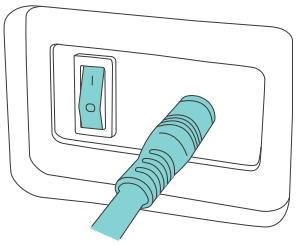
Power off. Open the top lid. Install one gearbox according to the sample type. Close the top lid.

STEP 2
Install Heating Plate



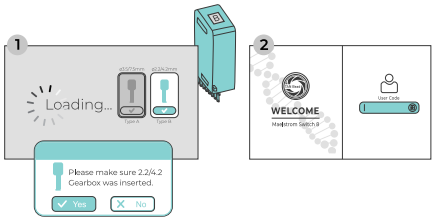
Open the door. Install the corresponding heating plate.

STEP 3
Power *On*



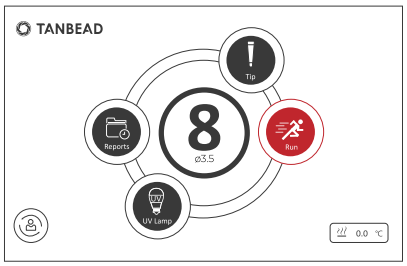
Power On the instrument.

STEP 4
Choose Rod Type and Login System



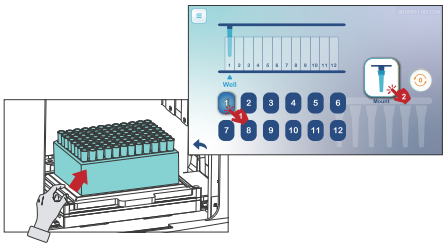
Select ø2.2/4.2mm (TANBEAD reagent). Confirm "YES", then log in with user code "333" for operation.

STEP 5
Prepare to Run



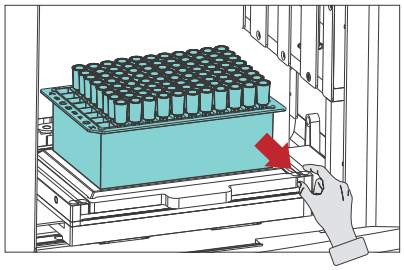
Tap first, double-tap the Program name from the OptiPure Blood DNA IFU, then follow the on-screen instructions.

STEP 6
Place the Spin Tips Assembled Box and Mounting Tips



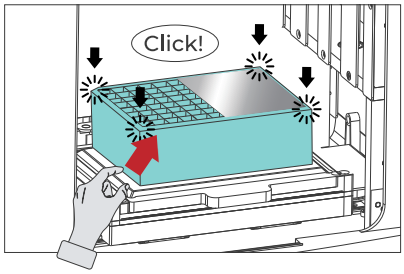
Place the spin tips assembled box onto the heating plate and insert the SW8, then tap the "mount" icon and confirm "YES" to start mounting.

STEP 7
Tip Box Removal



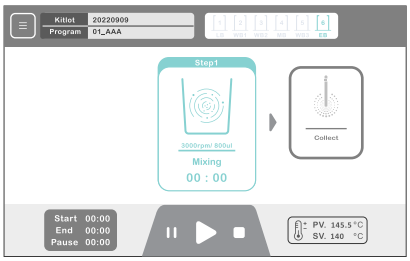
Remove the tip box after mount tips.

STEP 8
Start to Run



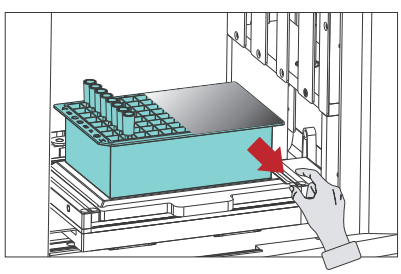
Install the reagent Plate (cut corner at bottom-left), press the four corners until it clicks, then press "YES" on the confirmation window to start the run.

STEP 9
Running Status



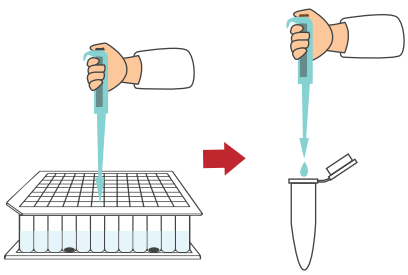
Check the display status. Tap on " ⏸ " to pause or " ■ " to stop and abort the run. When finished, " ✓ " icon will appear. Tap to enter the report and review the results. After reviewing the report, return to the previous page to perform tip ejection.

STEP 10
Extraction Complete

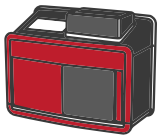


Remove extraction kit.

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

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