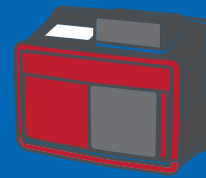


Tissue RNA (6K2) Quick Guide



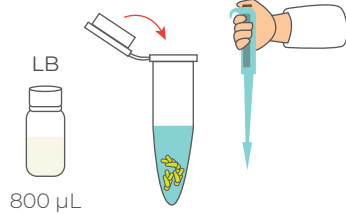
TANBEAD

Starting Materials
30 ~ 50 mg tissues
2 ~ 5 x 10⁵ cells

Elution Volume
70 ~ 100 μ L

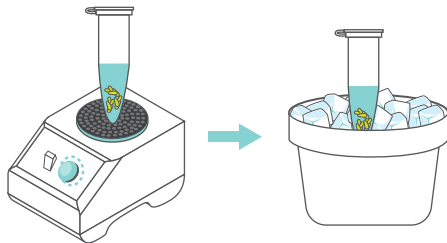
For Tissue Samples

STEP 1 Lysis



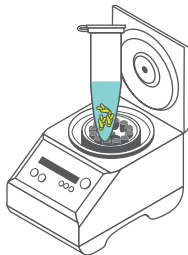
Add 800 μ L LB for tissue homogenization

STEP 2 Vortex



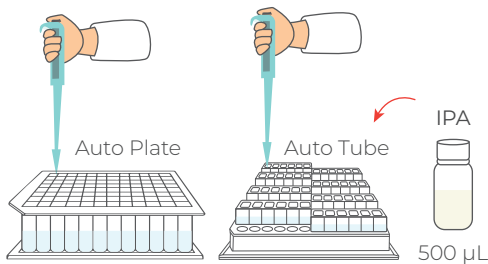
Vortex for thoroughly mixing Stand for 10 min on ice

STEP 3 Centrifugation



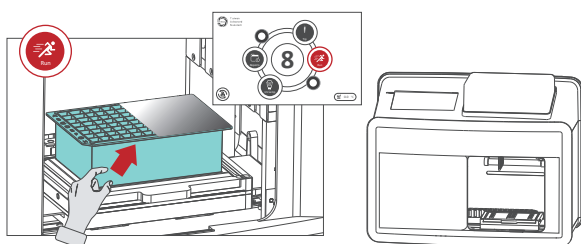
Centrifuge at 6,000 x g for 5 min

STEP 4 Extraction



Transfer 500 μ L lysate and 500 μ L IPA into the well, then proceed with the automatic process

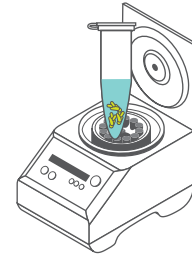
STEP 5 Prepare to Run



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**.

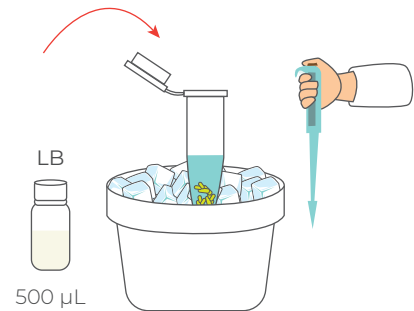
For Cultured Cells

STEP 1 Centrifugation



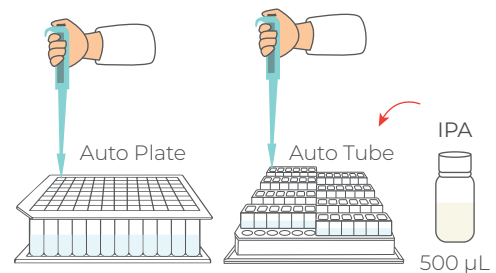
Centrifuge the cell suspension at 3,000 x g for 10 min and discard the supernatant

STEP 2 Lysis



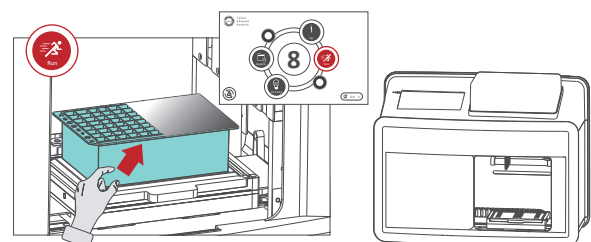
Resuspend the pellet in 500 μ L LB and incubate on ice for 10 min

STEP 3 Extraction



Transfer 500 μ L lysate and 500 μ L IPA into the well, then proceed with the automatic process

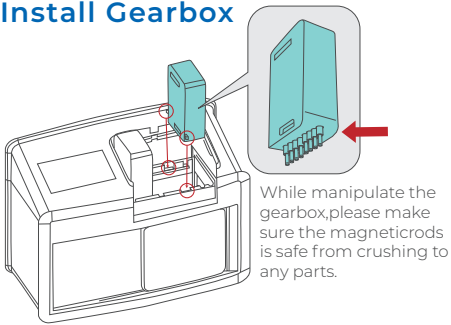
STEP 4 Prepare to Run



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**.

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

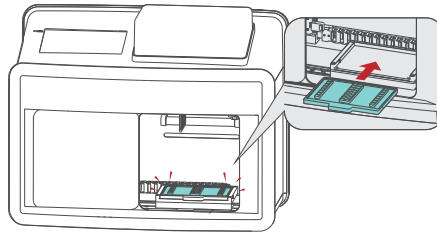
STEP 1 Install Gearbox



While manipulate the gearbox, please make sure the magnetic rods is safe from crushing to any parts.

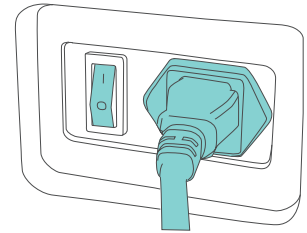
Power off. Open the top lid
Install one gearbox according to the sample type. Close the top lid.

STEP 2 Install Heating Block



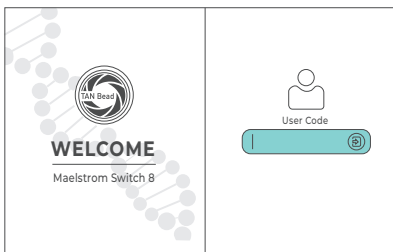
Open the door. Install the corresponding heating block.

STEP 3 Power On



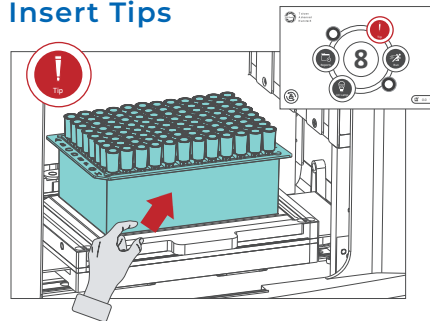
Power On the instrument.

STEP 4 Login System



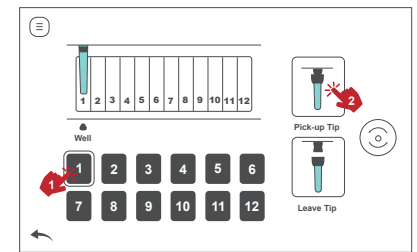
Login by default User Code: 333

STEP 5 Insert Tips



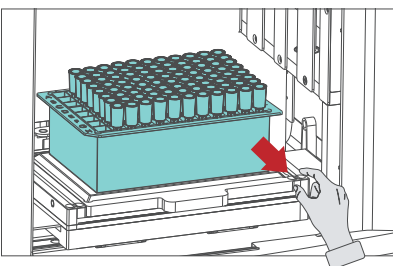
Tap **Tip** icon and place a tip box on the heating block.

STEP 6 Mount Tips



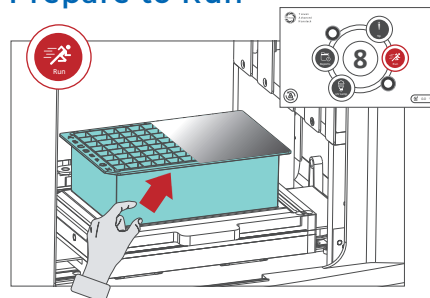
Select a column with spin tip and tap **Pick-up Tip** icon.

STEP 7 Tip Box Removal



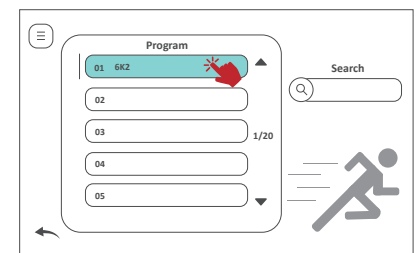
Remove the tip box after pick-up tips.

STEP 8 Prepare to Run



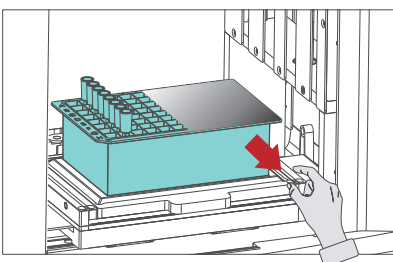
Remove the aluminum foil carefully. Place the extraction kit with cropped corner facing outwards. Tap **Run** icon.
Note: Aluminum foil should be fully remove while operate with CH16 Gearbox

STEP 9 Program Selection



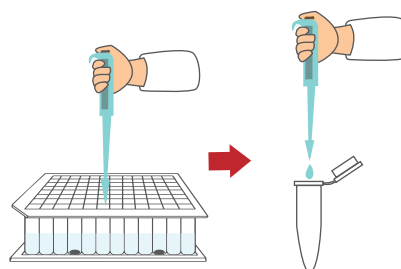
Select a program according to extraction kit. Follow the instruction and double tap the program to proceed.

STEP 10 Extraction Complete



Remove extraction kit

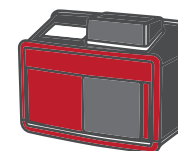
STEP 11 Transfer Nucleic Acids



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.



Reference video



User Manual

Taiwan Advanced Nanotech Inc. www.tanbead.com