

AVTP 2500 Operations & Notice

• Tissue processing operation

Step 1: Inspection before operation

Instructions :Please routine check if the reagent & paraffin is sufficient ,
paraffin is melted or not , each reagent bottle insert properly ,
and tissue retort and its level sensor are clean or not .

Notice: Wipe the level sensor prism with soft cloth to avoid any injury .

Step 2: Tissue load

Instructions: Place the tissue into tissue basket smoothly , and cover the
basket cover , tighten the retort lid .

Notice: When place more than one basket , please lay flat the upper basket
and lock the lid properly .

Step 3: Program setting

Instructions : Edit or select a procedure , set “basket
quantity” ” delay” etc parameters and confirm .

Notice: The basket & cassette quantity should be consistent with the actual .

Step 4: Automatic running

Instructions: Press the “running” key , it starts to run automatically.

Notice: It has to confirm the parameter setting before run the program .
Please make sure the reagent can fill into tissue retort
completely from bottle 1 before leaving .

Step 5: Take out the tissue

Instructions: Follow the prompts , drain the paraffin to paraffin bath 3 , then open the lid , take out the tissue basket .

Step 6: Execute the cleaning program

Instructions: Put the empty basket inside the tissue retort again , close the lid and tighten it , execute cleaning program 1 .

Notice: Cleaning program 1 is suitable for cleaning the retort with paraffin , it will heat up automatically to certain temperature and then do the cleaning . Cleaning program 2 is suitable for cleaning the retort without paraffin . Two cleaning procedures must be properly selected , once it is executed , it will not stop till finished unless power off .

Step 7: Confirm finished

Instructions: Confirm the cleaning program is over .

Notice: After end of the cleaning , the operator should check if the reagent and paraffin need to be replaced . If it has replacement tips , please add reagent & paraffin in time .

• Operation of replacing reagent

1、 Replace reagent for single bottle

Instructions for each step:

- a、 Prepare an external bottle and connect it with the external pipe reliable .
- b、 Execute the “drain the reagent” and drain off the waste reagent

to external bottle through tissue retort .

- C、 Prepare the new reagent bottle and connect it with external pipe properly .
- d、 Execute “Add reagent” and fill the reagent from external bottle to internal bottle through tissue retort .

Notice: In step d , the external reagent pipe must be inserted into the bottom of the external bottle , ensuring that sufficient reagent is available . Do not unplug the external reagent pipe immediately at the end of the reagent adding , since the remaining reagent in the pipe will return to the external bottle .

2、 Change Alcohol

Instructions for each steps:

- a、 Prepare an external bottle and connect it with the external pipe reliable .
- b、 Execute the “drain the reagent” and drain off the waste alcohol(the lowest concentration) to external bottle through tissue retort .
- C、 Execute “Change Alcohol” , change the higher concentration alcohol to low concentration step by step
- d、 Prepare the new alcohol bottle and connect it with external pipe properly .
- e、 Execute “Add reagent” and fill the alcohol from external bottle

to internal bottle through tissue retort .

Notice: In step e , the external reagent pipe must be inserted into the bottom of the external bottle , ensuring that sufficient reagent is available . Do not unplug the external reagent pipe immediately at the end of the reagent adding , since the remaining reagent in the pipe will return to the external bottle .

• Change paraffin

Instructions for each steps:

- a、 Make sure the waste wax bath is empty , and place in proper position .
- b、 Execute “Drain paraffin” , drain waste paraffin in paraffin bath 1 to waste wax bath through tissue retort .
- c、 Execute “change paraffin” , and replace paraffin from bath 2 to 1 , and bath 3 to 2 step by step .
- d、 Add new paraffin to paraffin bath 3
- e、 Clean the waste paraffin in waste wax bath .

Notice: The tissue retort must be heated manually to reach melting point temperature before paraffin operation . Please pay attention to not let the liquid paraffin enter into the upper hole in paraffin bath .

● Manual Operation

1、 For Reagent

Fill in : a、 Set the volume(basket numbers)

b、 Make sure the volume is enough in the reagent bottle

c、 Set the bottle number of the extraction and perform the reagent extraction.

Drain out: a、 Make sure there is enough space in the reagent bottle to receive the reagent.

b、 Set the bottle number of the discharged reagent and perform the reagent drain out.

Note: Do not confuse this action with paraffin manual operation.

C1、 C2、 C3、 C4 is belongs to Reagent bottles that number is 10、 11、 12、 13。

2、 For Paraffin manual operation

Fill in: a、 Set the volume(basket numbers)

b、 Heat the retort container to the set temperature, and make sure that the paraffin is enough to filling.

c. Set the number of paraffin tank to be extracted and perform paraffin extraction

Drain out: a、 Make sure there is enough space in the paraffin tank to receive the paraffin.

b、 Set the paraffin tank number of the discharged paraffin and

perform the paraffin drain out.

Note: Do not confuse this action with reagent manual operation. P1、 P2、 P3
number is 1、 2、 3.

3、 Manual misoperation

Manual misoperation, such as discharging paraffin into reagent bottle or reagent into paraffin tank, etc.,

In case of emergency, turn off the power , and then turn on the machine to check as the situation.

● Operation for alarm issues

- A. Record the display contents (temperature, pressure, operation status, etc.) of the screen during the alarm, and take photos for storage.

- B. Cancel the alarm, open the retort container to check the reagent level or paraffin , and take photo to record and save.

- C. If you can't solve the problem by yourself, you can ask the manufacturer for help. The above data can be used as the basis for the manufacturer's analysis and judgment.