

INSTRUCTION MANUAL
CAT. 62700-10, 62700-20
Retriever



Electron Microscopy Sciences

1560 Industry Road Hatfield, PA 19440 U.S.A.

P.O. Box 550

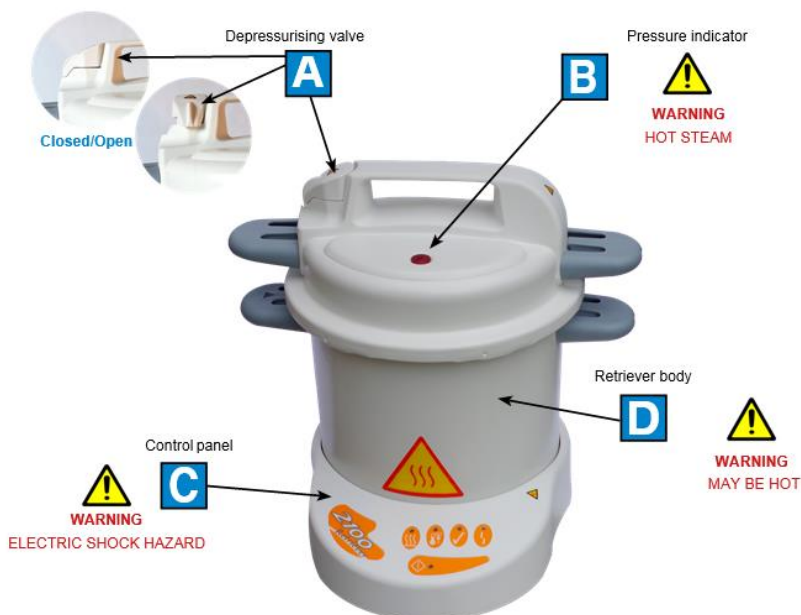
TEL: 215-412-8400 TOLL FREE: 1-800-523-5874

FAX: 215-412-8450 EMAIL: sgkcck@aol.com

WEB: www.emsdiasum.com

Before you begin

Please remember that the Retriever is an autoclave and should be handled properly. Please be sure to read this manual thoroughly.



WARNING: Do NOT do the following:

- Touch the unit while it is operating – HOT
- Attempt to remove the lid during operation
- Lubricate the gasket
- Add any chemicals to the water poured into the unit
- Attempt to use volatile substances and toxic materials in buffers, or inappropriate loads such as easy melting plastics
- Place the unit on heat-sensitive surfaces (polished wood or glass)
- Open the depressurization valve (A) during the cycle
- Press the start button once the cycle has been started, as this will reset this cycle
- Leave the depressurization valve (A) in the open position when placing the lid upside down on a work surface
- Immerse the unit or electrical cord in water when cleaning
- Use in areas on risk associated with flammable materials or gases
- Attempt to change fuses until the unit has been unplugged from the mains. Only qualified personnel should change fuses.
- Reach over the unit when removing the cover – doing so may cause burns from rising heat and steam

Electron Microscopy Sciences

1560 Industry Road Hatfield, PA 19440 U.S.A.

P.O. Box 550

TEL: 215-412-8400 TOLL FREE: 1-800-523-5874

FAX: 215-412-8450 EMAIL: sgkcck@aol.com

WEB: www.emsdiasum.com



LEGEND

- A – Depressuring valve
- B – Control display lights:
 - L1 – Power on
 - L2 – Pressure rise indicator
 - L3 – Cycle conditions reached
 - L4 – Cycle completed
 - L5 – Problem indicator
- C – Pressure rise indicator
- D – Closing the lid:
 - Align back arrows, turn clockwise to close
- E – Slide chamber
- F – Chamber rack
- G – Rack is placed into the bucket. Slide chambers are placed into the assembled rack. Bucket is placed into Retriever

Electron Microscopy Sciences

1560 Industry Road Hatfield, PA 19440 U.S.A.

P.O. Box 550

TEL: 215-412-8400 TOLL FREE: 1-800-523-5874

FAX: 215-412-8450 EMAIL: sgkcck@aol.com

WEB: www.emsdiasum.com

How to run the antigen-unmasking cycle

1. Place the slides into a slide chamber and add the appropriate processing buffer. Each chamber is for 18 slides, and takes between 70-100 ml of buffer.



2. Fill the Retriever's body (without rack and bucket) with 750 ml of deionized water. Use only deionized or distilled water.



3. Place the chamber rack into the bucket. Turn it for approximately 90 degrees clockwise to fix its position in the bucket.



4. Place the slide chambers into the rack. In one cycle, depending on the load and the number of required buffers, you may use from 1 to 6 chambers.



5. Place the bucket into the Retriever's body.

6. Put on the lid by aligning the black arrows on the lid and the body of the unit.

Close the lid by turning it clockwise and aligning the handles of the lid and the body.



7. Make sure the depressurizing valve is closed.

8. Push the start button. The cycle starts and runs automatically for

approximately 20 minutes.



Electron Microscopy Sciences

1560 Industry Road Hatfield, PA 19440 U.S.A.

P.O. Box 550

TEL: 215-412-8400 TOLL FREE: 1-800-523-5874

FAX: 215-412-8450 EMAIL: sgkcck@aol.com

WEB: www.emsdiasum.com

Once the cycle is completed, let the unit cool for a minimum of 2 hours, then open the depressurizing valve and lid. Remove the chambers from the rack and rinse the slides twice with deionized water. Finally, add PBS or another buffer to the slides and proceed further with immunostaining.

Cycle indicators



The cycle will run for approximately 20 minutes. The following sequence of events will occur during the cycle:

L1 illuminates **green**
L2 illuminates **orange**

As the temperature rises, air will be displaced by steam through the air bleed device located in the lid. Pressure indicator C will rise, indicating the unit is now pressurized.

The temperature and pressure conditions are reached when:

L illuminates **green**
L2 flashes **orange**
L3 illuminates **yellow**

Processing cycle is completed when the buzzer sounds. Then:

L1 illuminates **green**
L4 illuminates **green**

NOTE: L4 remains green until a new cycle is started or the unit is disconnected from the main power.

Electron Microscopy Sciences

1560 Industry Road Hatfield, PA 19440 U.S.A.

P.O. Box 550

TEL: 215-412-8400 TOLL FREE: 1-800-523-5874

FAX: 215-412-8450 EMAIL: sgkcck@aol.com

WEB: www.emsdiasum.com