



Model CCLQ2508 Rotary Microtome OPERATION MANUAL

Skype: chinacaremed

Whatsapp: +86 139 2648 0041

Facebook: China care medical

Email: info@chinacaremedical.com

Wechat: joseph20130708

Website: www.chinacaremedical.com

Add: Room C208, Changsheng Business Building, Daguan South Road No 26, Tianhe, Guangzhou, China

Contents

I .Contents	1
II Brief.....	2
III. Usage range	2
IV.Specifications	2
V . Steps of operation.....	2
VI. Safety and Caution.....	4

II. Brief

The CCLQ2508 rotary microtome is specially to meet the needs of laboratories of contemporary histology and pathology. It has many advantages like stability and easy to operate. It can slice sections with fine thickness and continuously. All these features make the microtome section the best-favored appliances of all the histology experts and scientists.

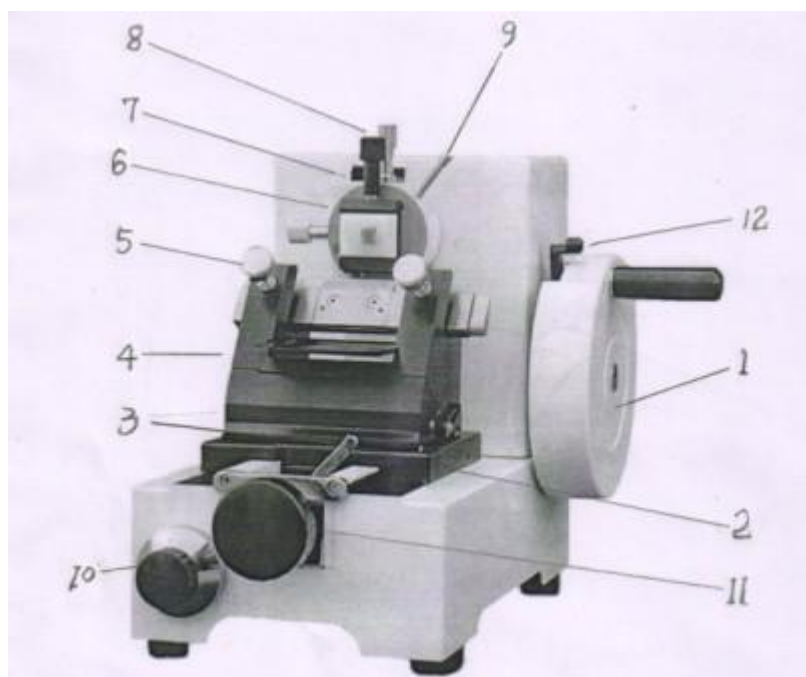
III. Usage range

The microtome section is generally used in hospitals, medical education institutions, sanitation and ant-epidemic station, public security and legal medical expert, agriculture college, veterinary medicine and research organizations to obtain pathological and biological paraffin sections of plant and zoological fissure. It is very important medical appliance in diagnoses and laboratories.

IV. Specifications:

1. Range of slice thickness: 1-40 μ m.
2. Minimum setting thickness of slice: 1 μ m.
3. precise error: $\pm 10\%$.
4. maximum section of slice: Max.30 $\times$ 25mm.

V. Steps of operation:



- | | |
|----------------------------------|---|
| 1. Circle hand-wheel | 2. slicing blade rest |
| 3. Clutch | 4. Adjustment spanner of incline angle of slice knife |
| 5. Regular button of slice knife | 6. Crosswise adjustment button of paraffin |

- | | |
|--|---|
| 7. Paraffin pliers | 8. Vertical adjustment button of paraffin |
| 9. Regular locking spanner of paraffin | 10. Fine trimmer of slice thickness |
| 11. Rough trimmer of slice thickness | 12. Spanner of stopping circle hand-wheel |

1. Turn the movable block round highest place, and then put the paraffin section of pruned tissue into paraffin pliers (7) and fasten them, but don't be fasten it too tight so as not to break paraffin section to pieces.

2. Put the slice knife into knife clip, moving the adjustment spanner of incline angle of slice knife (4). Adjust the seat of slice knife blade, then turn the regular button of paraffin (5) fasten, so as not to loosen the slice knife.

3. turn the regular locking spanner of paraffin (9) on lessen, then turn round the adjustment button of crosswise-vertical direction, so as to adjust the surface of slice on fine place, turn the spanner (9) on fasten again, so as not to loosen it.

4. Pull the clutch (3) on the left side, push ahead with the seat of slide knife (2) and in touch with the place of tissue section, then pull the clutch on the right side, fasten the knife seat.

5. Revolve around the hand-wheel (1) while turn round the rough trimmer of slice thickness (11) to cutting the sections roughly making the surface of paraffin tissue perfect, and then adjust the fine trimmer of slice thickness (10) to get requirements of thickness graduation. Cutting the tissue section while circle the hand-wheel. If the hand-wheel continually revolving, the sections of sliced will well distributed.

6. Finish the cutting work put the hand-wheel on regular seat and fasten it.

7. Pull the clutch (3) on the right side, move back the seat of slice knife, loosen the button of paraffin clip, take off the paraffin section.

8. Loosen the regular button of slice knife. Take off the knife, and then put the knife into knife box.

9. Clear away the paraffin scrap, impurity, and grease spots on the instrument. Pour into just the right amount of lubricating oil at the moving place (hole).

10. After the instrument has stopped work. Close the glass plastic cover in order to keep it clarity and take care of it.

VI. Safety and Caution:

1. Wipe away the antiserums oil on the microtome section before you use the instrument at first time. (Wipe away the grease spots by alcohol or petrol)

- 2.** Each of the moving places should be pour into just the right amount of lubricating oil assure the places easy to work.
- 3.** The turning should be well distributed when turn round the hand wheel. Be sure the hand-wheel turn in level and smooth.
- 4.** Before cutting the sections you most check the knife, tissue section. Seat of slide knife, paraffin clip etc if the parts are fastened, ensure the slice thickness equally.
- 5.** Before revolve around the hand-wheel you must pull out the spanner of stopping circle hand-wheel (12), fix the turn direction and turn hand-wheel.
- 6.** When put the slice knife in a certain place, it must be notice that to avoid the knife blade break and out apart of you fingers.
- 7.** Clear away the paraffin scrap; impurity with a damp cloth after the cutting has finished so as to ensure the instrument clarity.
- 8.** End of the cutting, it have to pour into some oil and take good care of it in order to ensure the high precision and perfect performance.