



Leica CV Mount is a mounting medium based on polymers of butylmethacrylate in xylene (no monomers are present) with optimum viscosity for automated coverslipping. Leica CV Mount has been extensively tested on the Leica CV5030 Coverslipper and has proven to be the optimal choice. Leica CV Mount has excellent viscosity properties and a short hardening time and is suitable for coverslipping both histology and cytology slides.

## Leica CV Mount

### Mounting medium

### **Use the following suggested settings:**

- Histology coverslipping: Mountant Setting - 2  
Mountant Volume - 2.5
  - Cytology coverslipping: Mountant Setting - 2/3  
Mountant Volume - 4.5\*
- \* This setting may need increasing when coverslipping thick smears (> 50 µm thickness) or smears of irregular thickness.

Leica CV Mount is optimized for use in the Leica CV5030 Coverslipper with minimum to no air voids produced. There is no programming required for using the Leica CV5030 Coverslipper with Leica CV Mount, simply refer to the mountant type setting and recommended volume as stated above.

Once the settings have been selected, prime the mountant dispensing nozzle, place input and output racks in position and press the „rack“ button on the user keypad. Slides are withdrawn from the input track with precision and placed onto a moving platform where Leica CV Mount is applied undiluted from an integral mountant reservoir via an adjustable nozzle.

„Good Laboratory Practice“ will allow the user to achieve optimum coverslipping performance. Below is a list of hints and tips to assist the laboratory to achieve this.

1. Make sure that when first using Leica CV Mount, or when changing over from another mountant, the tubing system is first thoroughly flushed with xylene. This will prevent cross-contamination between mountants, i.e. microbubbles may be detected on the slides if two incompatible mountants are allowed to mix. We suggest flushing the tubing system six times with xylene (6 long primes), waiting 30 minutes and repeating this procedure at least once, until solvent flows freely from the nozzle. Then priming the tubing system with Leica CV Mount using same procedure as for xylene.

2. The dispensing nozzle is at correct height above a slide (1.5 mm - use a slide and a nozzle tool as a starting height gauge).
3. If the Leica CV5030 Coverslipper is to be left unused for several hours remove the nozzle and soak it in xylene. Otherwise clean the nozzle externally using xylene soaked towelling, and internally by soaking the nozzle in xylene.
4. Ensure there are no air traps or bubbles in the tubing before running Leica CV5030 Coverslipper. These bubbles can be removed by priming the instrument automatically.
5. Xylene is the recommended clearing agent for Leica CV Mount. Its use will prevent mountant and solvent incompatibilities. This would be observed by appearance of cloudy or milky looking mountant or swirl patterns observed under the coverslip.
6. The walking beam is clear of any type of debris and/or mountant.
7. Good quality coverslips have been checked for broken glass fragments and sticking coverslips removed. Ensure coverslips are pushed to the rear of the magazine and there are adequate coverslips in the magazine.
8. Good quality slides are selected. Preferably ground glass slides from a reputable manufacturer.
9. Slide racks must be stored correctly. Rough handling can lead to distortion which will effect the ability of the gripper arm to remove slides from a rack.

“Good Laboratory Practice“ and a safe working environment is very important for coverslipping with all mountants. If the above hints and tips are followed the coverslipping results will be excellent.

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