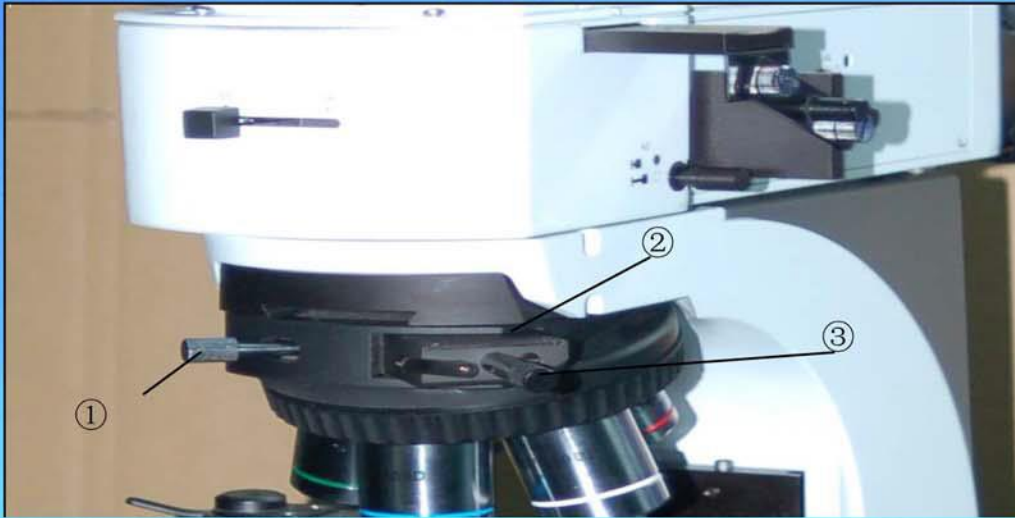




DIFFERENCE INTERFERENCE CONTRAST OBSERVATION (DIC) FOR NYMCS-616



1. Setting the Nomarski slider

Loosen the mounting knob ① on the front of the DIC revolving nosepiece, insert the DIC slider ② and clamp by tightening the mounting knob.

2. Observation method

- 2.1. Place the specimen on the stage and adjust the focus by moving the stage up or down.
- 2.2. Adjust the field iris diaphragm so that its image circumscribes in the field of view.
- 2.3. The contrast may sometimes be enhanced by closing the aperture iris diaphragm

3. Adjust the DIC attachment

- 3.1. Adjust the background contrast by turning the slider movement knob ③ on the DIC prism as described below.
- 3.2. When the slider movement knob on the DIC prism is turned, the interference color at the background varies continuously from the gray sensitive color to magenta sensitive color (from - 100 to 600 nm). Set the interference color which can provide best contrast with respect to the specimen.

- Selecting a dark background color enables dark field-type observation.
- Selecting a gray background color enables 3D-looking observation with high contrast thanks to the highest sensibility of the gray sensitive color.
- Selecting a magenta sensitive color allows even small phase variation to be observed as a change in color.
- ❖ Since the DIC observation has a high detection sensitivity, take care against contamination on the specimen surface.