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# ILLUMINATION

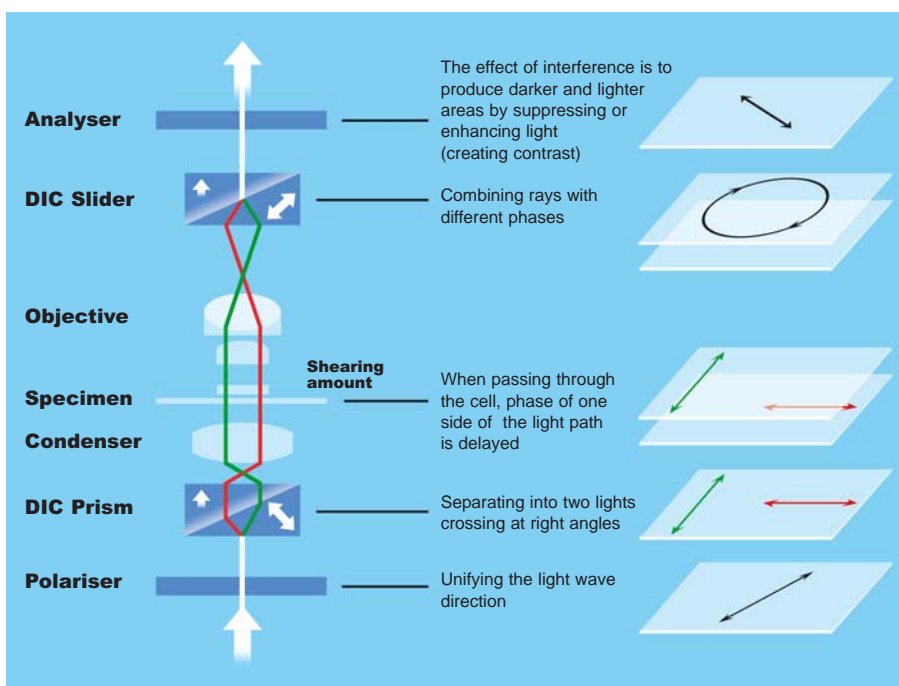
*Nomarski DIC*



# SETTING UP NOMARSKI DIC

## Requirements

- Universal-type objectives (e.g. UPLFL, UPLAPO)
- Matching DIC prisms in Universal condenser
- Polariser in condenser
- DIC prism above objectives (DIC slider).
- Analyser above upper DIC prism (fitted in holder)
- Suitable unstained specimen



## Setting up

1. Set up optical path for brightfield with Koehler illumination.
2. Focus on specimen using 10x objective
3. Move the DIC slider, with analyser, into the light path.
4. Rotate the slider control knob clockwise as far as it will go.
5. Ensure that the condenser is in the BF position, then slide the polariser into the light path.
6. Remove the eyepiece and observe the rear of the objective (back focal plane).
7. Rotate the polariser until you see a single diagonal black stripe.
8. Lock the polariser in place, then replace eyepiece.
9. Rotate the condenser turret to bring the appropriate DIC prism into place.
10. You should now have a DIC image; rotating the knob on the slider will change the background colour.

### NOTE

More recent Olympus microscopes may have a selector on the slider, so check that it is in the correct position for the objectives in use:

- Normal is the position for most objectives, e.g. UPLFL.
- BFP1 is used only for certain special Apochromatic objectives.