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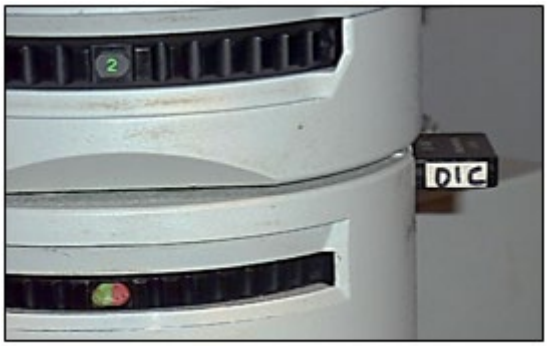
Differential Interference Contrast, DIC (Brightfield)

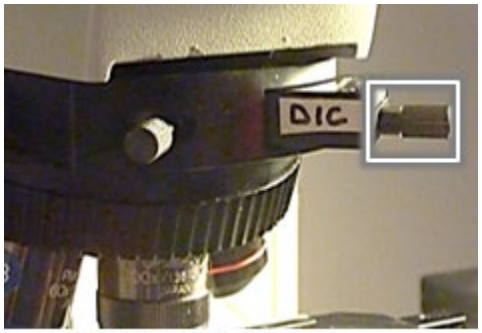
Procedure

1. First, choose your objective lens and focus on sample/specimen.
2. Adjust microscope for optimal image brightness by doing Kohler illumination.
3. Check the polarizer below the stage. It must be in place and aligned 90 degrees to the analyzer. It usually is.
4. Push the DIC filter (upper polarizer or analyzer) IN.



DIC: Polarizer/Analyzer

5. Push the DIC Wollaston prism IN. The thumbscrew can be adjusted to change the image offset (height contrast) when looking at a flat surface.



DIC: Wollaston Prism

6. Make sure the condenser setting located just above the condenser diaphragm matches the objective used (no 4x or 10x).
7. Open the condenser diaphragm to allow more light.

Condenser Diaphragm