

Re: How to setup Zeiss DIC?

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- *From:* Kevin Cunningham <smskjc@xxxxxxxxxxxxxxxx>
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On Jul 7, 8:34 am, "Theo Griep" <gr...@xxxxxxxx> wrote:

I want to use DIC for observing biological materials in transmitted light, like single cell organisms.
Searching in books and on the web there seem to be 1001 ways to get (sort of) DIC.
But what do I need and how can I make it work?

What I've got:

A Carl Zeiss standard microscope, several objectives (normal and phase contrast)

A Carl Zeiss Inko condenser, with positions 2 and 3 for phasecontrast, and I, II, III, IIII, n.a. 0,32 with front lens achr.apl. 1,4

Some sort of intermediate thing from Olympus that contains a slider and in which an objective can be mounted, with the text 'MPlan 100 11x' on it (for reflected light?).

Polarizers

My questions:

- what other parts do I need to make the DIC condenser work
- which parts should be placed where on the microscope
- how to align things properly

Thanks for any information or useful links

Theo

You will need to know whether you have a type I or II condenser so you can get the appropriate Nomaski pieces. The Olympus piece is of no use, your 50% away from a DIC-Nomarski system.

Thanks,

Kevin Cunningham

SMS

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