Köhler Illumination with the Upright Microscope

Brightfield
and Phase Contrast
O



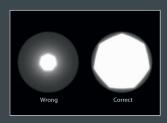
1.00

Set condenser to brightfield position. Move condenser to its top position using the condenser focusing knob. Open both the luminous field stop and aperture stop fully



2.00 Focus specimen using the focusing knob. Keep specimen in focus during the whole





7a. 🌢

To adjust the aperture stop diameter remove an eyepiece and look into the tube (Auxiliary microscope recommended).

Close the aperture stop...



8. O

9. O

objective.

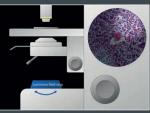
...until the visible objective opening is Insert eyepiece. With each objective change realign luminous field and aperture stop. Now, the microscope is optimally aligned for brightfield examinations.

Insert specimen and adjust Köhler

illumination according to steps 1-6.

Make sure the condenser phase stop

matches the chosen phase contrast



3.●○ in the field of view.









10. O

Replace one eyepiece with the auxiliary microscope (alternative diopter) and focus on the dark objective phase ring and the bright condenser phase stop images.

11.0

openings of the condenser. Rotate the keys until the images of phase ring and phase stop match as shown. Replace the auxilliary microscope with the eyepiece. With each objective change, realign luminous field stop. If necessary, change to the condenser phase stop indicated on the phase contrast objective. Now, the microscope is optimally aligned for phase contrast examina



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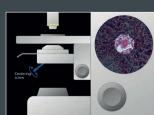
Offizieller Stützpunktpartner

Close luminous field stop until it appears



4.●0

Focus the luminous field stop image by lowering the condenser with the condenser focusing knob. Now, the edges of the luminous field stop appear with maximum sharpness.



5.00 Center the luminous field stop image with the condenser centering screws

6. ● O

Open the luminous field stop until its image just disappears behind the field of view edge. For alignment of phase contrast please go to step 8



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