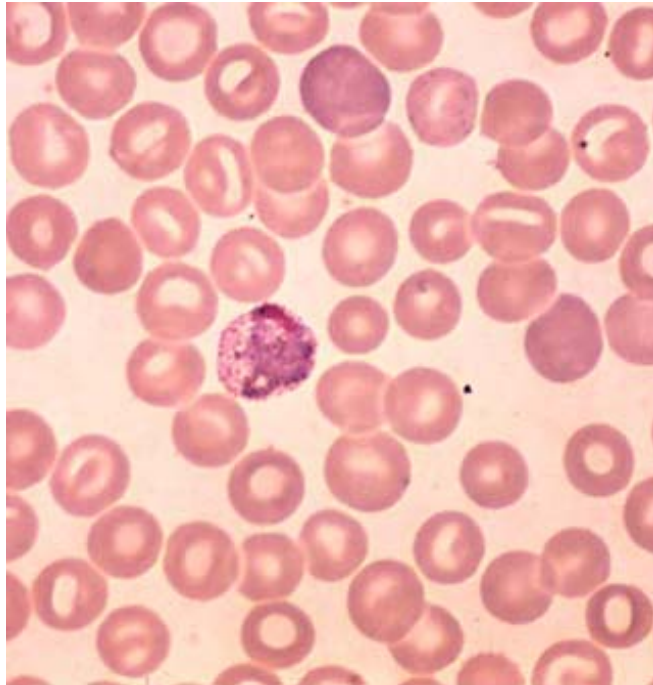


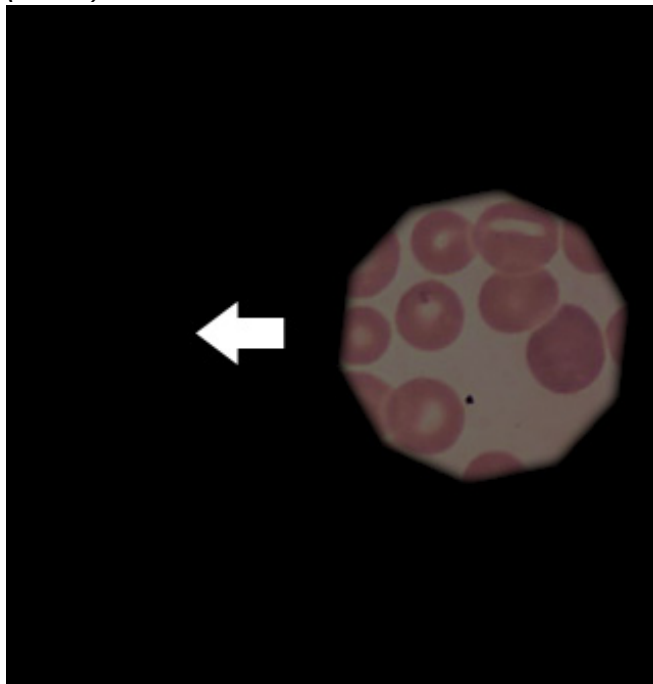
Setting up Kohler Illumination for the Microscope

(Slide 1)



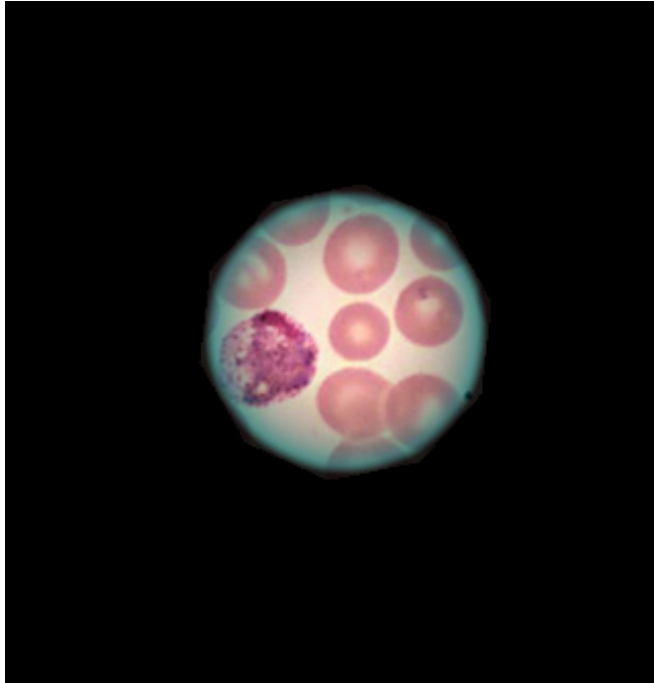
Place a slide on the stage, and focus on the specimen using the x40 objective lens.

(Slide 2)



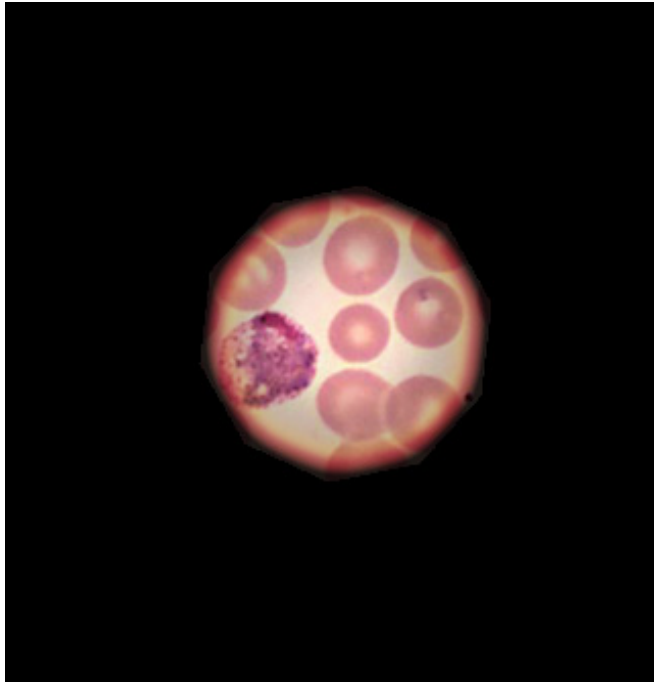
Reduce the aperture of the field diaphragm of the base lamp until the edges of the diaphragm can be seen. Use the two centering screws if the condenser is out of alignment.

(Slide 3)



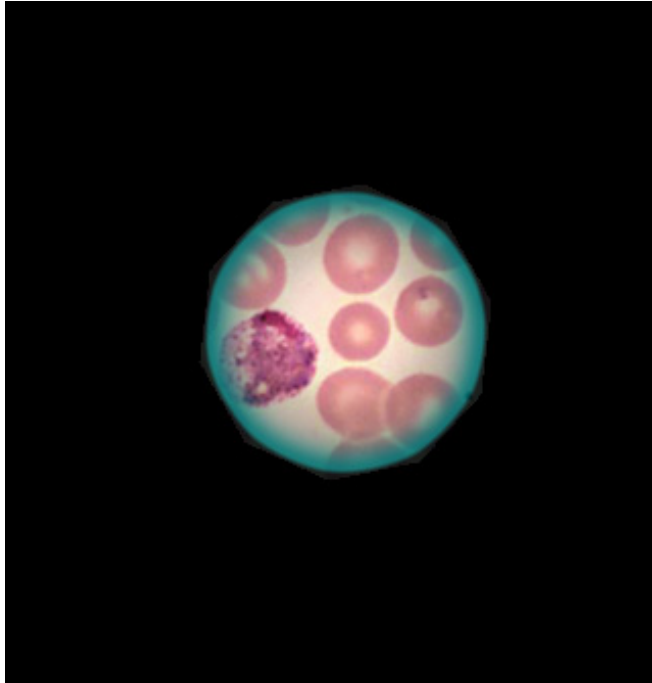
Reduce the aperture of the field diaphragm of the base lamp until the edges of the field diaphragm can be seen clearly. There is an outer green fringe if the condenser is set too low.

(Slide 4)



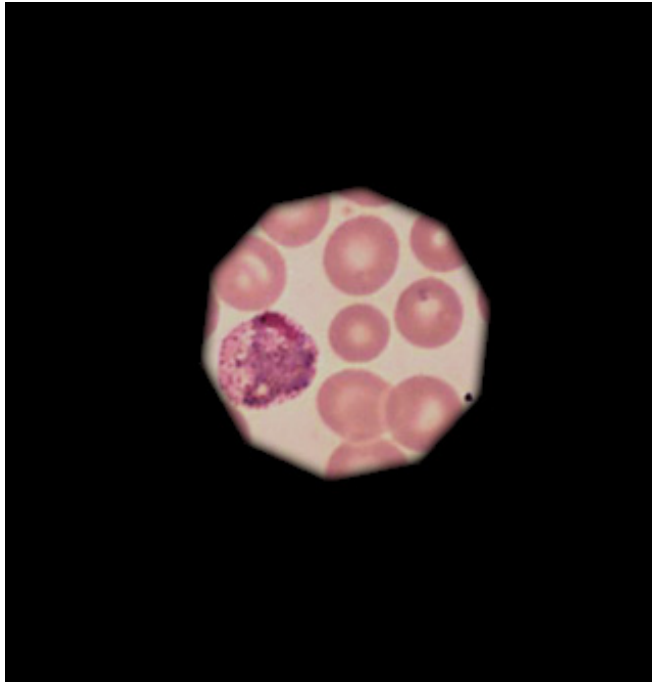
Adjust the condenser until the edge of the field diaphragm is in sharp focus; there is a red fringe if the condenser is set too high.

(Slide 5)



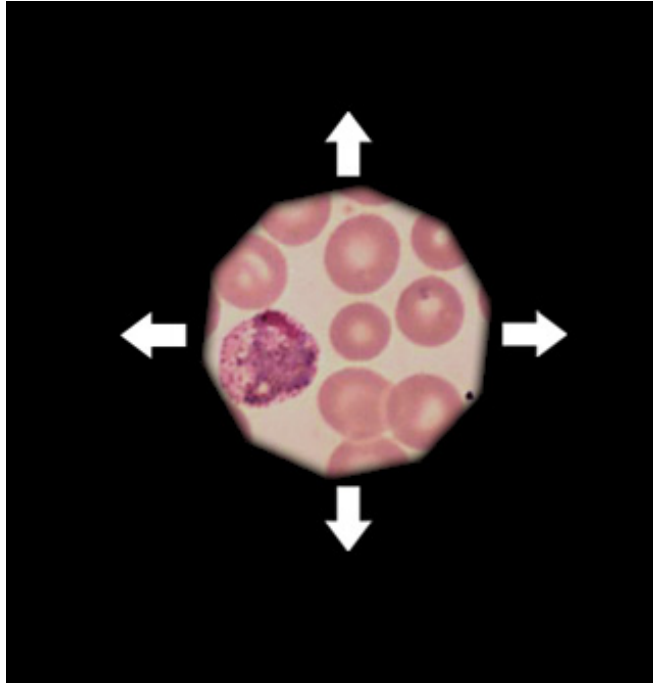
If there is a flare around the outer edge of the diaphragm, reduce the aperture of the iris diaphragm of the condenser until the flare disappears and the image is brightly illuminated.

(Slide 6)



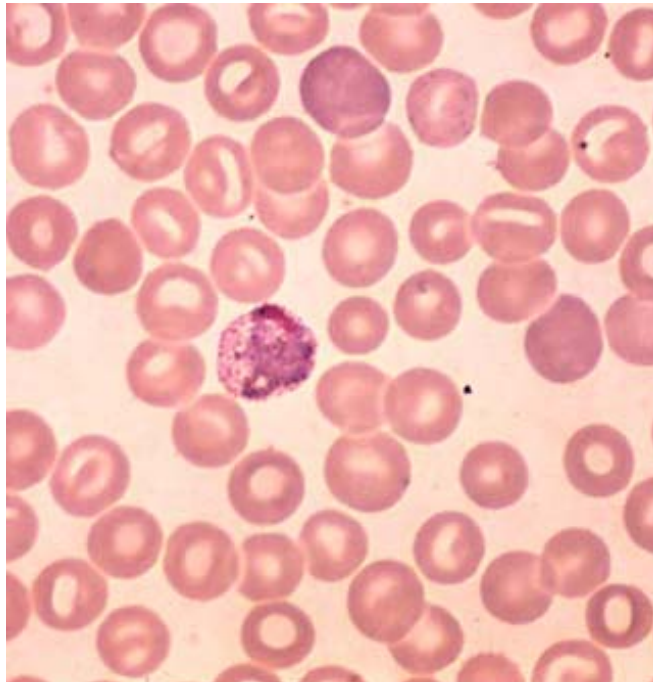
Adjust the condenser until the edge of the field diaphragm is in sharp focus between the red and green levels.

(Slide 7)



Open the aperture of the iris diaphragm until the edges of the diaphragm are just outside the field of view.

(Slide 8)



The specimen should now be correctly illuminated. Leave the condenser at this level. Use the iris diaphragm for adjusting light levels.