

Use of Correction Collar

This objective lens is equipped with a correction collar which makes an image optimized with better resolution and contrast according to depth of a thick sample and/or type of immersion medium. This objective lens is designed for SCALEVIEW-A2 (refractive index 1.38) and its correction collar enables observation in using immersion liquid with refractive index 1.33-1.41.

About the scale(*)

"SV 0" is the position when you observe surface of sample with SCALEVIEW-A2. "+" position is for the refractive index 1.41 and also "-" is for 1.33 (water).

The indicator(**) needs to be set according to thickness(mm) of the cover glass. Even 0 and 0.17mm are indicated, up to 0.23mm can be used. The auxiliary scale works as a guide for convenience to remember best position.

For best optical performance, please adjust the correction collar which visually gives you maximum brightness/resolution of the image during adjustment of the collar. It is necessary to re-focus when you adjust the correction collar because of its focus shift thus you need to adjust the both correction collar and focus alternately to maximize the brightness/resolution.

There are many causes that request you to adjust the correction collar. (e.g. the refractive index of the sample/immersion liquid, or unknown thickness of the cover glass)

During observation SCALEVIEW-A2 is gradually drying up and it may change the refractive index. Please adjust the correction collar or exchange SCALEVIEW-A2.

