

1. The details of the objective lens of the upright Leica SP8 MP

(1) Basic information

| No. | Name | Mag. | immersion | N. A. | W.D. (mm) |
|-----|------------------------|------|-----------|-------|-----------|
| 1 | HC PL FLUOTAR 5x/0.15 | 5 | None | 0.15 | 13.7 |
| 2 | HCX IRAPO L 25x/0.95 W | 25 | Water | 0.95 | 2.5 |

Mag.: Magnification, N. A.: Numerical Aperture, W. D.: Working distance

(2) Transmission and color correction

| No. | Name | Transmission | | Color correction | | Application |
|-----|------------------------|----------------|----|------------------|----|-------------------|
| | | VIS | IR | VIS | IR | |
| 1 | HC PL FLUOTAR 5x/0.15 | No information | | | | For overview |
| 2 | HCX IRAPO L 25x/0.95 W | ◎ | ○ | ◎ | ○ | Confocal, 2Photon |

◎: excellent performance, ○: good performance

2. The fluorescent filter for visual observation of the upright Leica SP8 MP

| Name | Excitation filter (nm) | Dichroic mirror (nm) | Emission filter (nm) | Fluorescent dye |
|------|---------------------------|-------------------------|-------------------------|-----------------|
| I3 | BP450-490 | 510 | LP515 | GFP etc. |
| N2.1 | BP515-560 | 580 | LP590 | RFP etc. |