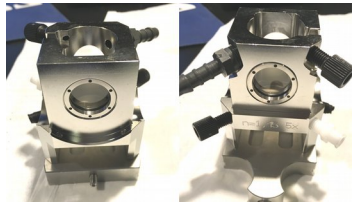
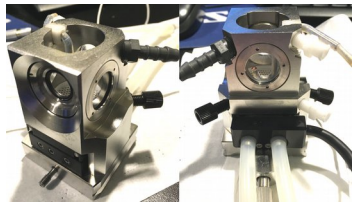
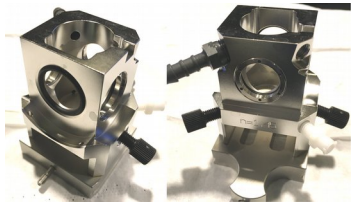
Setup	Used For…	Det. Collar	Det. Objective	Illumination Obj.	Tank	Maintain Tab (ZEN)	Immersion Medium	Notes
5X Dry	- Large cleared hearts (E11.5+)	 - about 1mm shorter than the 20X W-Plan-Apo collar shown below - “5x”			 - Glass windows on all four sides - “n = 1.46”	Detection Optic: EC Plan Neo 5X / 0.16 Illumination Optic: LSFM 5X / 0.1	RIMS or OCS (RI 1.46); it is okay to use PBS	
20X Live	- Live imaging ONLY, do not use tank for fixed specimens	- this collar is about 1mm taller than the 5X EC-Plan-Neo collar shown above 			 - Small opening with set-in rubber gasket - Flush side windows - Peltier plug-in heater - Plug-in temperature probe	Detection Optic: W Plan Apo 20X / 1.0 Illumination Optic: LSFM 10X / 0.2	Live imaging culture medium; it is okay to use PBS	Need to adjust RI correction collar for any change of medium
20X Aqueous low-RI Clearing	- Organoids - Embryos up to E8.5 with no RIMS/OCS				- Large opening with flush rubber gasket - Set-in side windows - “n=1.46” 	Detection Optic: W Plan Apo 20X / 1.0 Illumination Optic: LSFM clearing 10X / 0.2	PBS or 40% glycerol in PBS (RI 1.33 – 1.39)	Need to adjust RI correction collar for any change of medium
20X high-RI Clearing	- Small cleared hearts/embryos (E8.5 – E11.5)	None: Be aware!! LBF turret cannot change position after 20X Clr objective is installed				Detection Optic: LSFM clearing 20X / 1.0 Illumination Optic: LSFM clearing 10X / 0.2		Leave correction collar at 0 for RIMS or OCS (RI=1.46); Move LBF to correct position before installing objective