



2.3.2 Semi-Micro Cells

with lid or stopper made of PTFE

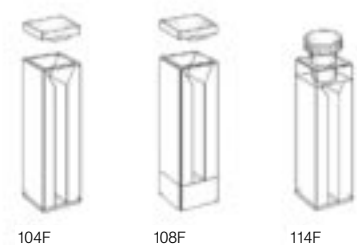
Semi-micro and micro fluorescence cells have an inner width between 4 mm and 2 mm. The thickness of the base lies between 1.25 mm and 9 mm.

Especially Important: The Unobstructed Passage of Light

When using fluorescence cells it is especially important that the light beam pass only through the sample in the measuring chamber, which is why the cross-sectional area of the measuring beam should be properly chosen and that the cell is positioned accurately in the holder. For some designs black material is used for the parts around the aperture in order to block stray light.

Semi-micro cells are rectangular cells with an inner width of 4 mm.

Catalogue Number	Window Material	Light Path mm	Outside Dim. H x W x D mm	Inside Width mm	Base Thickn. mm	Volume μ l	Number of Windows	Remarks
104F-OS	Special Optical Glass	10 x 4	45 x 12.5 x 12.5	4	1.25	1400	4	on request with a polished base
104F-QS	Quartz SUPRASIL	10 x 4	45 x 12.5 x 12.5	4	1.25	1400	4	on request with a polished base
108F-QS	Quartz SUPRASIL	10 x 4	45 x 12.5 x 12.5	4	9	1000	4	on request with a polished base
114F-QS	Quartz SUPRASIL	10 x 4	46 x 12.5 x 12.5	4	1.25	1400	4	on request with a polished base



2.3.3 Micro Cells

with lid or stopper made of PTFE

Micro cells are somewhat smaller than semi-micro cells. They are rectangular cells with an inner width of 2 mm. Micro fluorescence cells with smaller outer dimensions require a special holder, which is supplied by the instrument manufacturer.



Catalogue Number	Window Material	Light Path mm	Outside Dim. H x W x D mm	Inside Width mm	Base Thickn. mm	Volume μ l	Number of Windows	Remarks
104.002F-OS	Special Optical Glass	10 x 2	45 x 12.5 x 12.5	2	1.25	700	4	on request with a polished base
104.002F-QS	Quartz SUPRASIL	10 x 2	45 x 12.5 x 12.5	2	1.25	700	4	on request with a polished base
108.002F-QS	Quartz SUPRASIL	10 x 2	45 x 12.5 x 12.5	2	9	500	4	on request with a polished base
115F-QS	Quartz SUPRASIL	10 x 2	40 x 12.5 x 12.5	2	1.25	400	4	on request with a polished base

