



2.3.5 Fluorescence Cells for Magnetic Stirrers

Fluorescence cells for use with magnetic stirrers are available in both macro and semi-micro sizes. The cells either have an open top or a fused cover with a conical hole which can be sealed with a PTFE stopper. Cells with open tops are supplied with fitted lids.

The base, which is made of black quartz or glass, is equipped with a circular cavity for the magnetic bar. The special design of the base allows for a more accurate centring of the magnetic bar. Furthermore, since the magnetic bar is contained within the base it does not interfere with the light beam. This design is also incorporated into semi-micro cells.

We recommend our magnetic stir bar model 332.300 (diameter 3 - 4 mm, length 6 - 7 mm) for use in these cells. It is important that the light beam can pass through the measuring chamber unhindered. This is especially important for the semi-micro cells 109.004F and 119.004F.

For information about the handling of cells with stoppers please see chapter 2.1.6.

2.3.5 Fluorescence Cells for Magnetic Stirrers

macro | semi-micro | with lid or stopper made of PTFE

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
109.000F-OS	Special Optical Glass	10 x 10	45 x 12.5 x 12.5	10	5	3500	4	
109.000F-QS	Quartz SUPRASIL	10 x 10	45 x 12.5 x 12.5	10	5	3500	4	
119.000F-QS	Quartz SUPRASIL	10 x 10	49.5 x 12.5 x 12.5	10	5	3500	4	

semi-micro | with lid or stopper made of PTFE

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
109.004F-QS	Quartz SUPRASIL	10 x 4	45 x 12.5 x 12.5	4	5	1500	4	
119.004F-QS	Quartz SUPRASIL	10 x 4	49.5 x 12.5 x 12.5	4	5	1500	4	



109.000F



119.000F



109.004F



119.004F