



2.3.1 Macro Cells

2.3.1 Macro Cells with lid or stopper made of PTFE

In **photometry** the macro cell has also emerged as the (industry) standard and is defined as follows:

- A macro cell is a rectangular cell with an inner width above 5 mm.

The most widely used macro cell is a rectangular cell with outer dimensions of 45 x 12,5 mm (height x width). The depth of the cell is dependent upon the desired light path.

The triangular cells 101.061-QS and 111.061-QS, whose cross-section has the shape of a right-angled triangle, are uniquely designed. The excitation beam enters the cell through the hypotenuse and the fluorescent light is detected at right angle to the incoming light beam.

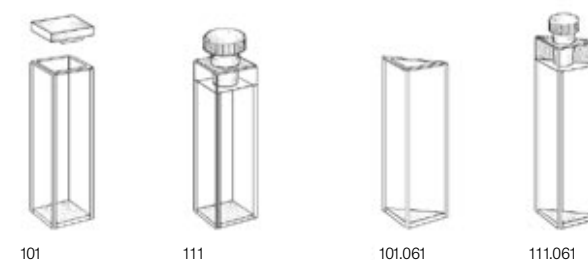
For information about the handling of cells with stoppers please see chapter 2.1.6.

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
101-OS	Special Optical Glass	10 x 10 10 x 20	45 x 12.5 x 12.5 45 x 22.5 x 12.5	10 10	1.25 1.25	3500 7000	4 4	on request with a polished base
101-QS	Quartz SUPRASIL	10 x 10 10 x 20	45 x 12.5 x 12.5 45 x 22.5 x 12.5	10 10	1.25 1.25	3500 7000	4 4	on request with a polished base
111-OS	Special Optical Glass	10 x 10 10 x 20	46 x 12.5 x 12.5 46 x 22.5 x 12.5	10 10	1.25 1.25	3500 7000	4 4	on request with a polished base
111-QS	Quartz SUPRASIL	10 x 10 10 x 20	46 x 12.5 x 12.5 46 x 22.5 x 12.5	10 10	1.25 1.25	3500 7000	4 4	on request with a polished base



triangular cells

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
101.061-QS	Quartz SUPRASIL		45 x 12.4 x 12.4	10	1.25	1750	3	triangular cell without a lid, on request with a polished base
111.061-QS	Quartz SUPRASIL		46 x 12.4 x 12.4	10	1.25	1750	3	triangular cell with stopper, on request with a polished base



101

111

101.061

111.061