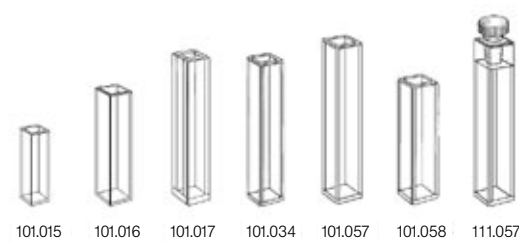




2.3.3. Micro Cells without lid

2.3.4 Ultra-Micro Cells with stopper made of PE

Catalogue Number	Window Material	Light Path mm	Outside Dim. H x W x D mm	Inside Dim. H x W x D mm	Base Thickn. mm	Volume μ l	Number of Windows	Remarks
101.015-QS	Quartz SUPRASIL	3 x 3	21 x 5.4 x 5.4	19.9 x 3 x 3	1.1	130	5	
101.016-QS	Quartz SUPRASIL	5 x 5	33.5 x 6.9 x 6.9	32.7 x 5 x 5	0.8	600	5	
101.017-QS	Quartz SUPRASIL	3 x 3	42.5 x 7 x 7	40 x 3 x 3	2.5	300	5	
101.034-QS	Quartz SUPRASIL	5 x 5	40 x 6.8 x 6.8	39 x 5 x 5	1	750	5	
101.057-QS	Quartz SUPRASIL	5 x 5	45 x 7.5 x 7.5	43.75 x 5 x 5	1.25	850	5	
101.058-QS	Quartz SUPRASIL	5 x 5	33.5 x 7.5 x 7.5	32.25 x 5 x 5	1.25	600	5	
111.057-QS	Quartz SUPRASIL	5 x 5	46 x 7.5 x 7.5	38.75 x 5 x 5	1.25	850	5	with PTFE stopper NS5



An ultra-micro cell is a rectangular cell with a measuring chamber volume of less than 160 μ l assuming a 10 mm light path.

The cells of this series have been specifically designed for use in the μ l range. These cells fit into any standard cell holder and due to their design have the advantage of requiring much smaller sample volumes than conventional cells.

The inner chamber of these ultra-micro cells is funnel-shaped above the measuring chamber. Due to this special design, capillary action has been eliminated. A 50 μ l cell, for example, requires only an additional 20 μ l to completely fill the measuring chamber. With the exception of the windows, these cells are made entirely of black quartz.

In order to use materials efficiently as well as making the filling and emptying easier the black top part of cell types 105.253 and 105.254 has been replaced by a quartz tube.

Catalogue Number	Window Material	Light Path mm	Centre Height mm	Outside Dim. H x W x D mm	Aperture H x BW mm	Chamber Volumen μ l	Filling Volume μ l	Number of Windows
105.250-QS	Quartz SUPRASIL	10 x 2 10 x 2	15 8.5	45 x 12.5 x 12.5 45 x 12.5 x 12.5	5 x 2 5 x 2	100 100	120 120	3 3
105.251-QS	Quartz SUPRASIL	3 x 3 3 x 3	15 8.5	45 x 12.5 x 12.5 45 x 12.5 x 12.5	5 x 3 5 x 3	45 45	70 70	3 3
105.252-QS	Quartz SUPRASIL	1.5 x 1.5 1.5 x 1.5	15 8.5	45 x 12.5 x 12.5 45 x 12.5 x 12.5	5 x 1.5 5 x 1.5	12 12	30 30	3 3
105.253-QS	Quartz SUPRASIL	10 x 2 10 x 2	15 8.5	45 x 12.5 x 12.5 45 x 12.5 x 12.5	5 x 2 5 x 2	100 100	120 120	3 3
105.254-QS	Quartz SUPRASIL	3 x 3 3 x 3	15 8.5	45 x 12.5 x 12.5 45 x 12.5 x 12.5	5 x 3 5 x 3	45 45	70 70	3 3

