

Sub-Micro Cells

Sub-Micro cells retain the exterior dimensions of a standard cell and are designed for the measurement of very small samples, with volumes ranging from 10µl to 160µl. The entrance to the sample compartment is hemispherical, being designed without sharp corners to eliminate potential loss of sample due to capillary action.

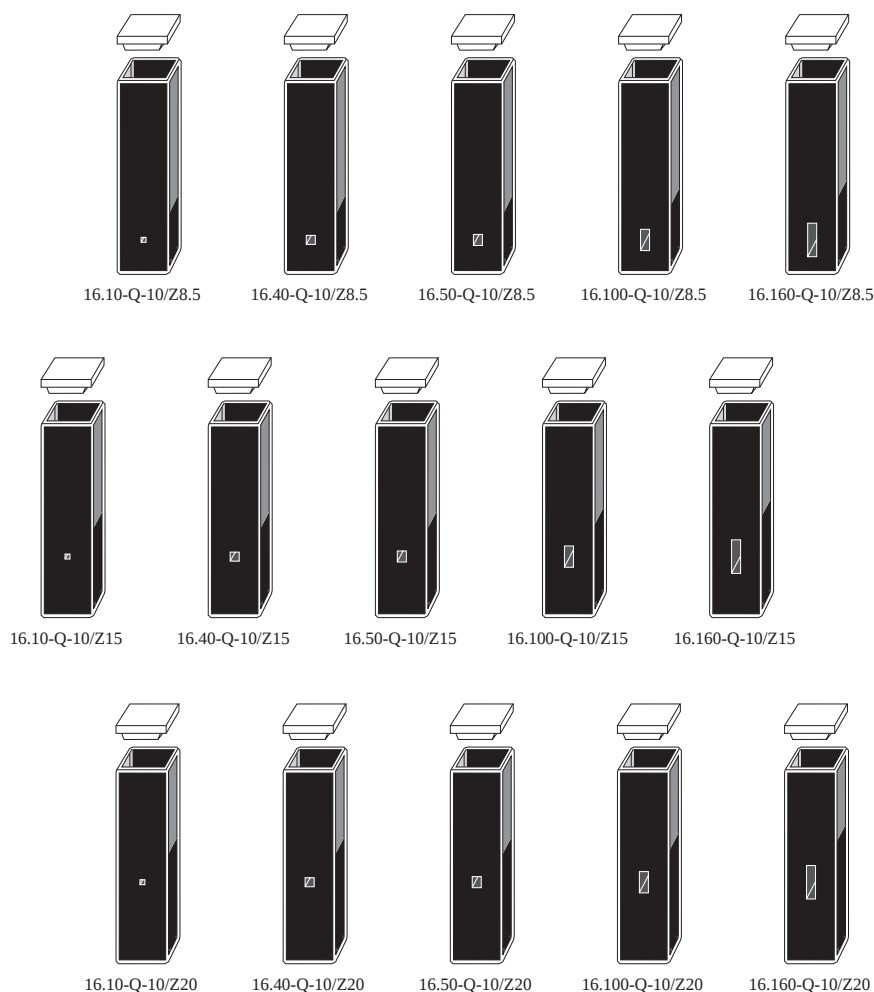
The amount of sample required to fill the sample chamber is reduced to an absolute minimum, typically fifteen to twenty per cent greater than the absolute sample chamber volume.

The sample compartment in the Sub-Micro range of cells optimizes the alignment of the sample for maximum sensitivity in the spectrophotometer. The sample is easily inserted into and retrieved from the cell, by careful use of a pipette. The correct 'Z' dimension needs to be selected for this range, typically 8.5 or 15mm.

Cells are supplied with a PTFE cover and a tight sealing polyethylene cap.

'Z' Dimension per Instrument

Manufacturer:	'Z' Dimension:
Agilent®	varies by instrument
Beckman®	8.5 mm
Bio-Rad®	8.5 mm
Eppendorf®	8.5 mm
GBC®	15 mm
Hewlett Packard®	15 mm
Hitachi®	varies by instrument
Jasco®	12 mm
Ocean Optics®	15 mm
Perkin-Elmer®	15 mm
Pharmacia®	15 mm
Shimadzu®	15 mm
StellarNet®	15 mm
Thermo Spectronic®	8.5 and 15 mm
Turner®	8.5 mm
Varian®	20 mm



Catalog Number	Path Length mm	Exterior, mm Width	Exterior, mm Length	Exterior, mm Height	Sample Chamber, mm Width	Sample Chamber, mm Length	Sample Chamber, mm Height	'Z' Dim. mm	Nominal Vol. ml	Polished Windows	Price per cell
Spectrosil® Far UV Quartz windows, Useable range: 170 to 2700 nm											
16.10-Q-10/Z8.5	10	12.5	12.5	45	1	10	1	8.5	0.010	2	\$ 377.85
16.10-Q-10/Z15	10	12.5	12.5	45	1	10	1	15	0.010	2	377.85
16.10-Q-10/Z20	10	12.5	12.5	45	1	10	1	20	0.010	2	377.85
16.40-Q-10/Z8.5	10	12.5	12.5	45	2	10	2	8.5	0.040	2	301.60
16.40-Q-10/Z15	10	12.5	12.5	45	2	10	2	15	0.040	2	301.60
16.40-Q-10/Z20	10	12.5	12.5	45	2	10	2	20	0.040	2	301.60
16.50-Q-10/Z8.5	10	12.5	12.5	45	2	10	2.5	8.5	0.050	2	301.60
16.50-Q-10/Z15	10	12.5	12.5	45	2	10	2.5	15	0.050	2	301.60
16.50-Q-10/Z20	10	12.5	12.5	45	2	10	2.5	20	0.050	2	301.60
16.100-Q-10/Z8.5	10	12.5	12.5	45	2	10	5	8.5	0.100	2	301.60
16.100-Q-10/Z15	10	12.5	12.5	45	2	10	5	15	0.100	2	301.60
16.100-Q-10/Z20	10	12.5	12.5	45	2	10	5	20	0.100	2	301.60
16.160-Q-10/Z8.5	10	12.5	12.5	45	2	10	8	8.5	0.160	2	301.60
16.160-Q-10/Z15	10	12.5	12.5	45	2	10	8	15	0.160	2	301.60
16.160-Q-10/Z20	10	12.5	12.5	45	2	10	8	20	0.160	2	301.60

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