

Fluorometer Sub-Micro

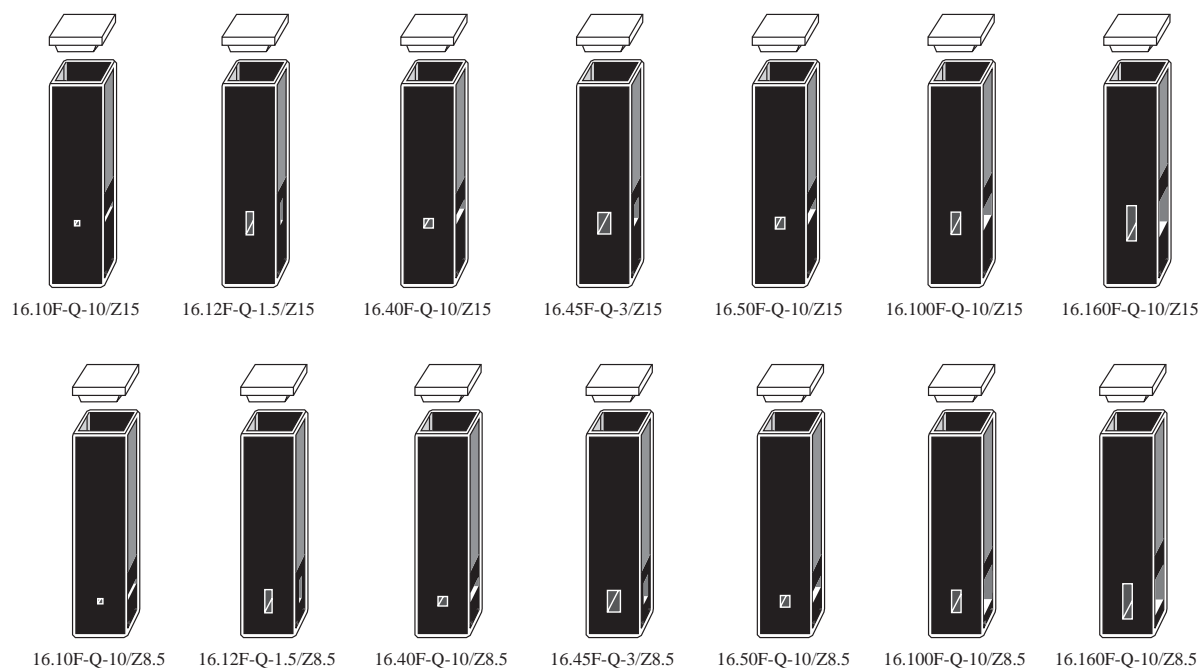
Sub-Micro cells, Type 16F, while retaining the exterior dimensions of a standard cell, are designed for the measurement of very small samples with volumes ranging from 10µl to 160µl. The fluorometer Sub-Micro cells have a third window at 90° to the incident light to allow emission energy to be measured. Special adaptors are not required for this cell.

The entrance to the sample compartment is hemispherical, being designed without sharp corners to eliminate potential loss of sample by 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 is easily inserted into and retrieved from the cell by careful use of a pipette or syringe.

The sample compartment in the Sub-micro range of cells optimizes the alignment of the sample for maximum sensitivity in the fluorometer. The correct 'Z' dimension needs to be selected for this range, typically 8.5 or 15 mm. Open top cells are supplied with a tight sealing polypropylene cap, as well as a PTFE lid.

'Z' Dimensions for some fluorometers

Manufacturer:	'Z' Dimension:
Hitachi®	varies by instrument
Jasco®	18mm
Molecular Devices®	15mm
Ocean Optics®	15mm
Perkin-Elmer®	15mm
Pharmacia®	15mm
PTI (Photon Technology)®	15mm
Shimadzu®	15mm
SLM/Spectronics®	15mm
Spectra Max®	15mm
Spex®	15mm
StellarNet®	15mm
TSS®	15mm
Varian®	20mm



Catalog Number	Path Length mm	Exterior, mm			Sample Chamber, mm			‘Z’ Dim mm	Nominal Vol. ml	Polished Windows	Price per cell
		Width	Length	Height	Width	Length	Height				
Spectrosil® Far UV Quartz windows, Useable range: 170 to 2700 nm											Open Top
16.10F-Q-10/Z15	10	12.5	12.5	45	1	10	1	15	0.010	3	\$ 470.90
16.10F-Q-10/Z8.5	10	12.5	12.5	45	1	10	1	8.5	0.010	3	470.90
16.12F-Q-1.5/Z15	1.5	12.5	12.5	45	1.5	1.5	5	15	0.012	3	470.90
16.12F-Q-1.5/Z8.5	1.5	12.5	12.5	45	1.5	1.5	5	8.5	0.012	3	470.90
16.40F-Q-10/Z15	10	12.5	12.5	45	2	10	2	15	0.040	3	449.30
16.40F-Q-10/Z8.5	10	12.5	12.5	45	2	10	2	8.5	0.040	3	449.30
16.45F-Q-3/Z15	3	12.5	12.5	45	3	3	5	15	0.045	3	438.30
16.45F-Q-3/Z8.5	3	12.5	12.5	45	3	3	5	8.5	0.045	3	438.30
16.50F-Q-10/Z15	10	12.5	12.5	45	2	10	2.5	15	0.050	3	427.70
16.50F-Q-10/Z8.5	10	12.5	12.5	45	2	10	2.5	8.5	0.050	3	427.70
16.100F-Q-10/Z15	10	12.5	12.5	45	2	10	5	15	0.100	3	416.80
16.100F-Q-10/Z8.5	10	12.5	12.5	45	2	10	5	8.5	0.100	3	416.80
16.160F-Q-10/Z15	10	12.5	12.5	45	2	10	8	15	0.160	3	416.80
16.160F-Q-10/Z8.5	10	12.5	12.5	45	2	10	8	8.5	0.160	3	416.80