

## Cuvettes

Since the 1970s Sarstedt has been a renowned manufacturer of high-quality polystyrene (PS) and acrylic (PMMA) disposable cuvettes. The cuvettes are mainly used for photometric analyses, which may be used for determining the concentration or color intensity of a solution/suspension. The product range includes 2x optical micro cuvettes, semi-micro cuvettes, and 4x optical cuvettes for 90° angle fluorescence measurements. Sarstedt cuvettes are packaged in protective Styrofoam boxes according to mold cavity number for consistency and to avoid, for example, any variation in absorbance values.

### Semi-micro cuvette 10x4 mm, light path: 10 mm, 2 optical sides

Order no	Height in mm	Material	Packaging	Packaging pcs./case
67.742	45	Polystyrene	100/Styrofoam box, packed by mold cavity number	2000
67.746	45	Polystyrene	500/bag	2000
67.740	45	Acrylic (PMMA)	100/Styrofoam box, packed by mold cavity number	2000

### Cuvette 10x10 mm, light path: 10 mm, 2 optical sides

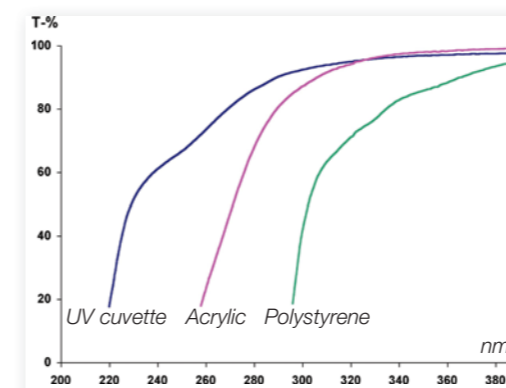
Order no	Height in mm	Material	Packaging	Packaging pcs./case
67.741	45	Polystyrene	100/Styrofoam box, packed by mold cavity number	2000
67.745	45	Polystyrene	500/bag	2000
67.738	45	Acrylic (PMMA)	100/Styrofoam box, packed by mold cavity number	2000

### Cuvette for fluorescence measurements, light path: 10 mm, 4 optical sides

Order no	Height in mm	Material	Packaging	Packaging pcs./case
67.754	45	Polystyrene	100/Styrofoam box, packed by mold cavity number	2000
67.755	45	Acrylic (PMMA)	100/Styrofoam box, packed by mold cavity number	2000



## Transmission depending on the wavelength



■ UV cuvette  
■ Acrylic  
■ Polystyrene

Wavelength (nm)	Transmission (T) in %		
	UV	Acrylic	Polystyrene
260	73%	23%	0%
280	86%	68%	0%
313	94%	93%	66%
334	96%	97%	79%
366	97%	98%	90%
405	98%	99%	95%
560	98%	99%	96%

Method:

The graph and the table display the precise light transmission of the cuvette based on the different wavelengths and the different plastic types. Cuvettes each filled with distilled, clear water. Optical path length: 10 mm

### Cuvette 10x10 mm with round opening, optical path: 10 mm, 2 optical sides

Order no	Height in mm	Material	Packaging	Packaging pcs./case
67.743	96	Polystyrene	100/Styrofoam box, packed by mold cavity number	1000
67.749	55	Polystyrene	100/Styrofoam box, packed by mold cavity number	2000

### Push caps for cuvettes with round opening

Order no	Suitable for cuvette	Packaging pcs. per bag/case
65.803.300	Order no: 67.743	1000/5000
65.793.300	Order no: 67.749	1000/5000

### Round cuvette for LKB analyzer (primarily used for sample preparation)

Order no	Height/diameter in mm	Material	Packaging	Packaging pcs./case
68.752	51/12	Polypropylene	1000/bag	5000

