



User information

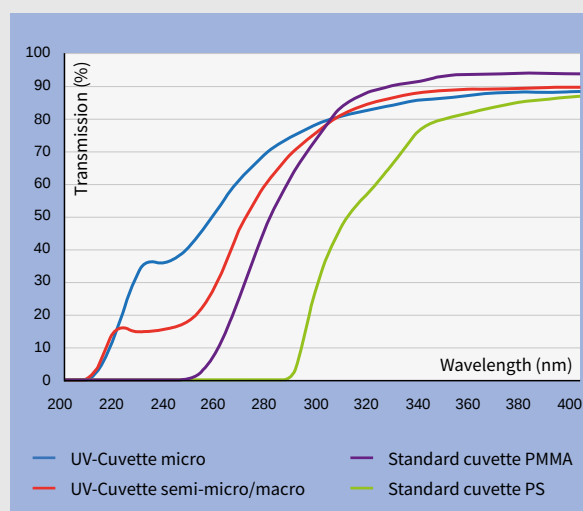
Overview of chemical resistance and transmission properties of different cuvettes

Chemical resistance* of plastic cuvettes

Substance	PS	PMMA	UV-Cuvette
Acetic acid, 100%	-	-	+
Acetone	-	-	+
Ammonia	+	+	+
Benzaldehyde	-	-	+
Butanone	-	-	+
Chloroform	-	-	-
Dioxane	-	-	+
DMF	-	-	+
Ethyl acetate	-	-	+
Hexane	-	+	-
Hydrochloric acid, 36%	+	-	+
Hydrofluoric acid, 10%	+	+	+
Isopropanol	+	+	+
Nitric acid, 65%	-	-	+
Sodium hydroxide	+	+	+

* Short time resistance, 30 min. Longer-term storage of these chemicals should be confirmed by the user. Request a free sample.

Transmission curves of different cuvettes



To achieve reproducible results: Before the actual measurement, always determine the blank value for the cuvette, and determine the linear range of measurement by means of a calibration curve.

Overview table

Cuvette type	Filling volume min.	Filling volume max.	Dimensions window (w x h)	Range of application	Standard deviation in extinction units
UV-Cuvette micro, z = 8.5	70 µl	850 µl	2 x 3.5 mm (min.)	from 230 to 900 nm	240 nm ≤ ± 0.007 300 nm ≤ ± 0.005
UV-Cuvette micro, z = 15	70 µl	550 µl	2 x 3.5 mm (min.)		
UV-Cuvette macro	2.5 ml	4.5 ml	10 x 35 mm		
UV-Cuvette semi-micro	1.5 ml	3.0 ml	4.5 x 23 mm		
macro cuvette (PMMA)	2.5 ml	4.5 ml	10 x 35 mm	from 300 to 900 nm	320 nm ≤ ± 0.004
semi-micro cuvette (PMMA)	1.5 ml	3.0 ml	4.5 x 23 mm		
macro cuvette (PS)	2.5 ml	4.5 ml	10 x 35 mm	from 340 to 900 nm	360 nm ≤ ± 0.005
semi-micro cuvette (PS)	1.5 ml	3.0 ml	4.5 x 23 mm		
macro cuvette (PS) 4 clear sided	2.5 ml	4.5 ml	10 x 35 mm	from 340 to 900 nm	360 nm ≤ ± 0.005
UV-Cuvette macro 4 clear sided	2.5 ml	4.5 ml	10 x 35 mm	from 230 to 900 nm	240 nm ≤ ± 0.007 300 nm ≤ ± 0.005

Accessories

Cuvette rack

PP, gray. Numbered positions.
Autoclavable (121 °C).
Suitable for standard 10 mm
path-length cuvettes.
Pack of 1.



Description	Length [mm]	Width [mm]	Height [mm]	Cat. No.
for 16 cuvettes	210	70	38	759500

Disposable stirring spatula

PS. Pack quantity 10000 =
20 bags of 500 per pack.



Description	Stem Ø [mm]	Length [mm]	Cat. No.
PS	3	120	759800