

For optimal fluorescence and spectral photometric analysis in the UV/Vis range



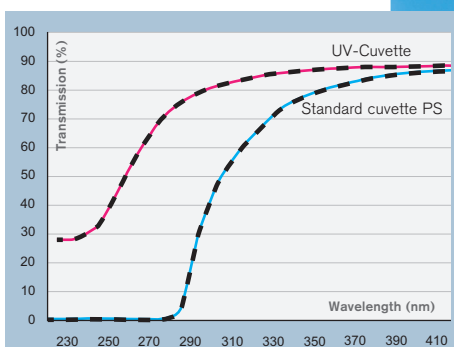
# Cuvette

## 4 clear sided

F I R S T C L A S S · B R A N D

**Plastic disposable UV-Cuvettes for the UV/Vis range.** UV-transparent plastic cuvettes replace fragile glass or quartz cuvettes in many applications. Designed for single use, they eliminate time wasting washing, and the risk of cross-contamination.

- Four optical windows for precise measurements
- Suitable for fluorescence spectroscopy
- Significantly lower costs for use when compared to quartz glass cuvettes
- UV-Cuvettes show minimal autofluorescence
- Will fit most fluorescence photometers
- UV-Cuvettes show very high chemical resistance
- UV-Cuvettes for measurements from 230 nm
- Frosted end for labelling



## Technical Information

### Filling volume:

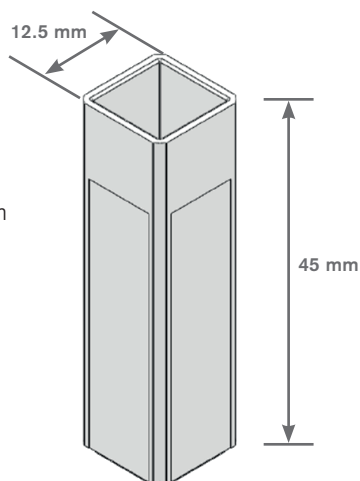
PS Cuvette: 2.5 - 4.5 ml  
UV-Cuvette: 2.5 - 4.5 ml

### Dimensions:

Window (W x H): 10 x 35 mm  
Light path: 10 mm

### Wavelength:

PS Cuvette: 340-900 nm  
UV-Cuvette: 230-900 nm



## Ordering Data

### 4 clear sided cuvettes

Description	Pack of	Cat. No.
Cuvette, macro (PS), 4 clear sided	100	7590 30
	500	7590 35
UV-Cuvette, macro, 4 clear sided	100	7591 25
	500	7591 28

### Cuvette rack

PP, gray. Holds 16 cuvettes, numbered positions.  
L x W x H: 210 x 70 x 38 mm.  
Autoclavable (121 °C).  
Pack of 1.

Cat. No.	7595 00
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### 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, macro, 4 clear sided	2.5 ml	4.5 ml	10 x 35 mm	230 to 900 nm	240 nm $\leq \pm 0.007$ 300 nm $\leq \pm 0.005$
Cuvette, macro (PS) 4 clear sided	2.5 ml	4.5 ml	10 x 35 mm	340 to 900 nm	360 nm $\leq \pm 0.005$

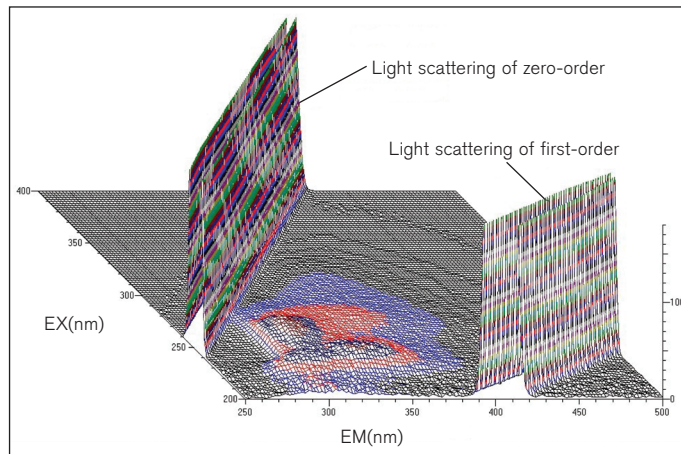
BRAND also manufactures standard macro and semi-micro cuvettes in PS and PMMA. Detailed information on request, or at [www.brand.de](http://www.brand.de)

### Chemical resistance\* of plastic cuvettes

Substance	PS	PMMA	UV-Cuvette
Acetic acid, 100%	-	-	+
Acetone	-	-	+
Ammonia	+	+	+
Benzaldehyde	-	-	+
Butanone	-	-	+
Chloroform	-	-	-
Dioxane	-	-	+
DMF	-	-	+
DMSO	-	-	+
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. Free samples upon request.

### UV-Cuvettes of minimal autofluoreszenz



3-D scan from 200 to 400 nm wavelength with Hitachi F-7000 FL-Spectrometer

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