

SPECTROPHOTOMETER/FLUORIMETER

Cuvette specifications

- Cuvette specification table**

The table below gives detailed specifications for the cuvettes for our range of Jenway spectrophotometers and fluorimeters. The centre height of all cuvettes (where applicable) is 15mm.

Part code	Description	Outside Dimensions (mm)	Min. Vol.	Max. Vol.	Path length (mm)	Wavelength range	Material
060 084	Plastic - Visible only	45 x 12.5 x 12.5	2.5ml	4.5ml	10	340-900nm	PS
060 087	Plastic - Visible only - Semi micro	45 x 12.5 x 12.5	1.5ml	3.0ml	10	340-900nm	PS
060 230	Plastic - UV and visible	45 x 12.5 x 12.5	2.5ml	4.5ml	10	230-900nm	UV plastic
060 231	Plastic - UV and visible - Semi micro	45 x 12.5 x 12.5	1.5ml	3.0ml	10	230-900nm	UV plastic
035 143 ¹	Plastic - UV and visible - Micro	45 x 12.5 x 12.5	70µl	550µl	10	230-900nm	UV plastic
035 027	Glass - Visible only	45 x 12.5 x 12.5	2ml	3.8ml	10	360-2500nm	TG/OG
035 086	Glass - Visible only - 20mm path length	45 x 12.5 x 22.5	4ml	7ml	20	360-2500nm	TG/OG
035 029	Glass - Visible only - 40mm path length	45 x 12.5 x 42.5	8ml	14ml	40	360-2500nm	TG/OG
035 087	Glass - Visible only- 50mm path length	45 x 12.5 x 52.5	9ml	17.5ml	50	320-2500nm	OS
035 079	Glass - Visible only - 100mm path length	45 x 12.5 x 102.5	19ml	35ml	100	340-2500nm	OG
035 123	Glass - Visible only - Micro	45 x 12.5 x 12.5	300µl	800µl	10	320-2500nm	OS
035 126	Glass - Visible only - Semi-micro	45 x 12.5 x 12.5	600µl	1.4ml	10	320-2500nm	OS
035 045	Glass- Visible only - Flow-through	45 x 12.5 x 12.5	80µl		10	320-2500nm	OS

¹ Must be used with the 630 304 micro cuvette holder.

Part code	Description	Outside Dimensions (mm)	Min. Vol.	Max. Vol.	Path length (mm)	Wavelength range	Material
035 028	Quartz - UV and visible	45 x 12.5 x 12.5	2ml	3.8ml	10	200-2500nm	QG/QS
035 124	Quartz - UV and visible - Ultra micro	45 x 12.5 x 12.5	70µl	1.5ml	10	200-2500nm	QS
035 125	Quartz - UV and visible - Micro	45 x 12.5 x 12.5	300µl	800ul	10	200-2500nm	QS
035 127	Quartz - UV and visible - Semi-micro	45 x 12.5 x 12.5	600µl	1.4ml	10	200-2500nm	QS
035 138	Quartz - UV and visible - Ultra-micro	45 x 12.5 x 12.5	120µl	1.4ml	10	200-2500nm	QS
035 044	Quartz - UV and visible - Flow-through	45 x 12.5 x 12.5	1.5ml		10	200-2500nm	QS
035 047	Quartz - UV and visible - Flow-through	45 x 12.5 x 12.5	80µl		10	200-2500nm	QS
035 281	Quartz - UV and visible - 50mm path length	45 x 12.5 x 52.5	9ml	17.5ml	50	200-2500nm	QS
035 282	Quartz - UV and visible - 100mm path length	45 x 12.5 x 102.5	16ml	40ml	100	200-2500nm	QS
035 283	1ml glass cuvette black walls	45 x 12.5 x 12.5	600µl	1.4ml	10	320-2500nm	OS
035 284	1ml quartz cuvette black walls	45 x 12.5 x 12.5	600µl	1.4ml	10	200-2500nm	QS
035 262	Tray Cell	59.5 x 12.5 x 12.5	0.7µl	5µl	1 or 0.2	190-1100nm	QS/Fibre optic
035 120	Quartz - UV and visible - Fluorimeter	45 x 12.5 x 12.5	100µl	120µl	10x2	200-2500nm	QS
035 121	Glass - Visible only - Fluorimeter	45 x 12.5 x 12.5	350µl	700µl	10x2	320-2500nm	OS
035 122	Quartz - UV and visible - Fluorimeter	45 x 12.5 x 12.5	350µl	700µl	10x2	200-2500nm	QS
060 247	Plastic - UV and visible - Fluorimeter	45 x 12.5 x 12.5	2.5ml	4.5ml	10 x 10	280-800nm	PMMA
060 253	Quartz - UV and visible - Fluorimeter	45 x 12.5 x 12.5	2.0ml	3.8ml	10 x 10	200-2500nm	QG/QS
060 254	Glass - Visible only - Fluorimeter	45 x 12.5 x 12.5	2.5ml	4.5ml	10	340-2500nm	OG
060 255	Quartz - UV and visible - Fluorimeter - Flow through	45 x 12.5 x 12.5	440µl		10	200-2500nm	QS

- **Chemical compatibility**

- + = Compatible
- = Not Compatible

Substance	PS	PMMA	UV-plastic	Glass (TG, OG, OS)	Quartz (QS, QG)
Acetic Acid, 100%	-	-	+	+	+
Acetone	-	-	+	+	+
Ammonia	+	+	+	+	+
Benzaldehyde	-	-	+	+	+
Butanol	-	-	+	+	+
Chloroform	-	-	-	+	+
Dioxane	-	-	+	+	+
DMF	-	-	+	+	+
Ethyl acetate	-	-	+	+	+
Hexane	-	+	-	+	+
Hydrochloric acid, 36%	+	-	+	+	+
Hydrofluoric acid, 10%	+	+	+	-	-
Isopropanol	+	+	+	+	+
Nitric acid, 65%	-	-	+	+	+
Sodium hydroxide ²	+	+	+	+	+

² Strong basic solutions may shorten the working life of glass/quartz cuvettes.