BRAND. For lab. For life.®

BRAND

BRAND GMBH + CO KG | Otto-Schott-Str. 25 | 97877 Wertheim | Germany

BRAND GMBH + CO KG
P.O. Box
97861 Wertheim
Germany
T +49 9342 808 0
info@brand.de
www.brand.de

Information about disposable cuvettes

We confirm that our disposable PS, PMMA and UV cuvettes are manufactured out of pure granular materials under controlled room conditions.

Individually wrapped UV-cuvettes micro are continuously tested by an independent laboratory and are certified to be free of DNase, RNase and DNA.

The external dimensions of BRAND disposable cuvettes macro, semi-micro and micro are manufactured according to DIN 58 963 part 3.

Specifications

Material	Polystyrene (PS) used in Cat. No. 759005, 759015, 759030, 759035
	Polymethylmethacrylate (PMMA) used in Cat. No. 759105, 759115
	UV-Polymer used in Cat. No. 759200, -10, -15; 759220, -30,- 35; 759150; 759165; 759170; 759125, -28;

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BRAND GMBH + CO KG | Registered Office Wertheim | Commercial Register AG Mannheim HRA 570068 | WEEE Reg No: DE80929173
Personally liable partner: BRAND SCIENTIFIC GMBH | Registered Office Wertheim | Commercial Register AG Mannheim HRB 570491
Managing Directors: Dr. Christoph Schöler, Hans-Walter Kern, Peter Schütte, Patrick Ziemeck | VAT Reg No: DE146578014

Filling volume

Macro cuvette	min. 2.5 mL; 4.5 mL
Macro cuvette, four clear sided	min. 2.5 mL; 4.5 mL
Semi-micro cuvette	min. 1.5 mL; max. 3.0 mL
Micro cuvette (c = 8.5 mm)	min. 70 µL; max. 850 µL
Micro cuvette (c = 15 mm)	min. 70 µL; max. 550 µL

Dimensions

Cuvette	12.5 x 12.5 x 45 mm
Windows:	
Macro cuvette	10 x 35 mm
Macro cuvette, four clear sided	10 x 35 mm
Semi-micro cuvette	4.5 x 23 mm
Micro cuvette	2 x 3.5 mm (minimum)
Light path	10 mm

Polystyrene cuvettes (PS)

Typical range of application:	340 nm to 900 nm.
Standard deviation:	360 nm $\leq \pm$ 0.005 extinction units.

Polymethylmethacrylate (PMMA)

Typical range of application:	300 nm to 900 nm.
Standard deviation:	320 nm $\leq \pm$ 0.004 extinction units.

UV-Cuvettes

Typical range of application:	230 nm to 900 nm
Standard deviation:	240 nm $\leq \pm$ 0.007 extinction units.
Standard deviation:	300 nm $\leq \pm$ 0.005 extinction units.

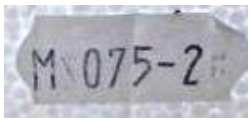
Each case of disposable cuvettes contains cuvettes from one cavity of the injection mold to ensure minimal variations of extinction values.

Storage and shelf life:

Cuvettes should be stored using the original packaging, at temperatures between 10°C and 50°C and at a relative humidity between 30% and 65%. All BRAND cuvettes made from polystyrene, polymethylmethacrylate or UV transparent resin show a shelf life of 5 years beginning from the date of manufacturing.

Manufacturing date can be identified from the Lot-No. on the separate label:

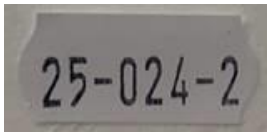
a) For batches produced until end of 2024:



Capital letter 'M' **= defines year of production**
Digits 001-365 = manufacturing day within this year
Digit after hyphen = mold cavity number

Example for batch produced in 2024:
Lot-No.: Y 028-7
Production date: 2024/January 28th; cavity 7
Shelf life: January 2029

b) For batches produced from 2025 onwards:



First 2 digits: **= year**
Digits 001-365 = manufacturing day within this year
Digit after hyphen = mold cavity number

Example for batch produced in 2025:
Lot-No.: 25-024-2
Production date: 2025/January 24th; cavity 2
Shelf life: January 2030

Best regards,

BRAND GMBH + CO KG

i. V.

Dr. Antonio Romaguera

Head of Product Management

i. A.

Dr. Nicolas Frank

Product Manager Cell Culture