

BRAND Plastic Cuvettes

Why BRAND Disposable Cuvettes?

BRAND is world-renowned as the producer of premium disposable cuvettes. Each and every BRAND cuvette benefits from their over twenty five years of experience manufacturing cuvettes to the most exacting standards for reproducible results.

- **Virgin Resins:** BRAND cuvettes are manufactured from the highest quality virgin resins for highest optical quality. Choose polystyrene for determinations above 340nm, and where cost is a concern. Choose polymethyl methacrylate (PMMA or “acrylic”) when performing assays above 300nm. For assays with wavelengths as short as 230nm, or that require enhanced chemical compatibility, choose BRAND UV-Cuvettes, made of a proprietary resin.
- **Mold-Cavity Matching:** All plastic cuvettes are manufactured in multi-cavity molds, producing multiple cuvettes with each molding operation. Even with BRAND’s experience and attention to manufacturing detail, nothing can prevent slight differences among the cavities that can lead to variation in extinction coefficients. Rather than randomly aggregate cuvettes from all cavities, BRAND’s automated production process sorts the cuvettes by mold cavity; each package only contains cuvettes from the same mold cavity. This ensures the lowest possible cuvette-to-cuvette variance, and more accurate measurements. Robotic sorting also eliminates the risk of human error, and potential contamination.
- **Protective Packaging:** BRAND cuvettes are encased in dust-free, low-scratching expanded polystyrene packaging. This ensures that your premium cuvettes arrive at your laboratory in the same pristine condition they were in at the factory, with optical quality windows, and free of contaminants. For applications in which the highest purity is required, BRAND ultra-micro UV-Cuvettes are available individually wrapped and free of DNA, DNase and RNase. Individual wrapping means that these cuvettes offer not only the convenience of disposability, but a degree of sample protection that is unmatched by any reusable cuvette.

The BRAND Logo,
Your Assurance of
a Quality Cuvette.



Technical Data

BRAND plastic cuvettes are an excellent choice for most spectrophotometry applications in the visible and near-UV range. When manufactured from PS and PMMA, they provide accurate, reliable results even at wavelengths as low as 300nm. These disposable cuvettes are available in macro and semi-micro sizes to accommodate most sample volumes. BRAND plastic cuvettes are compatible with most spectrophotometers and photometers using a standard 10mm path length.

- **Easy to Use:** BRAND plastic disposable cuvettes include an arrow mark to indicate direction of transmission and reduce variation.
- **Options for Most Needs:** PS and PMMA cuvettes are available in both macro and semi-micro sizes to adapt to the needs of most laboratory applications. Semi-micro cuvettes require only 1.5mL of sample volume to provide reliable, accurate results.
- **Perform Consistently:** Cuvettes are manufactured from high-quality materials, and are grouped by manufacturing mold cavity number to ensure the lowest variation in extinction coefficient.
- **Manufactured by BRAND:** One of the world's largest producers of cuvettes, BRAND's over twenty-five years of quality cuvette manufacturing experience is your assurance of reliability.

PS and PMMA Cuvettes



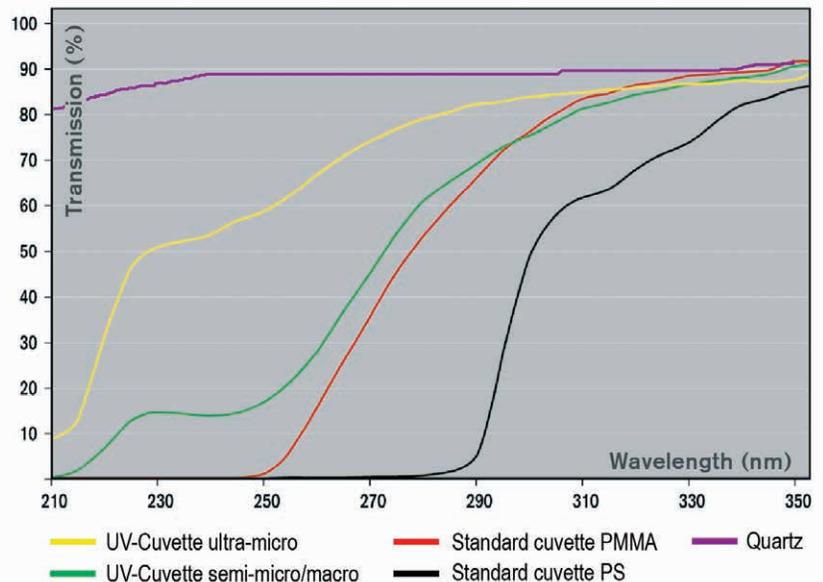
Specifications – BRAND Cuvette

Filling volume	Semi-micro	Macro
Minimum	1.5mL	2.5mL
Maximum	3.0mL	4.5mL
Window Dimensions	4.5 x 23mm	10 x 35mm
Light Path	10mm	10mm

ORDERING INFORMATION

Description	Cat. No.	2014 List Price
BRAND Polystyrene (PS) Cuvettes		
Macro, pack of 500	759070D	\$80.00
Macro, pack of 100	759071D	18.40
Semi-micro, pack of 500	759075D	87.00
Semi-micro, pack of 100	759076D	19.40
BRAND Methacrylate (PMMA) Cuvettes		
Macro, pack of 500	759080D	113.00
Macro, pack of 100	759081D	25.60
Semi-micro, pack of 500	759085D	98.00
Semi-micro, pack of 100	759086D	21.40
Polypropylene Cuvette Rack, 16 numbered positions	759500	24.60

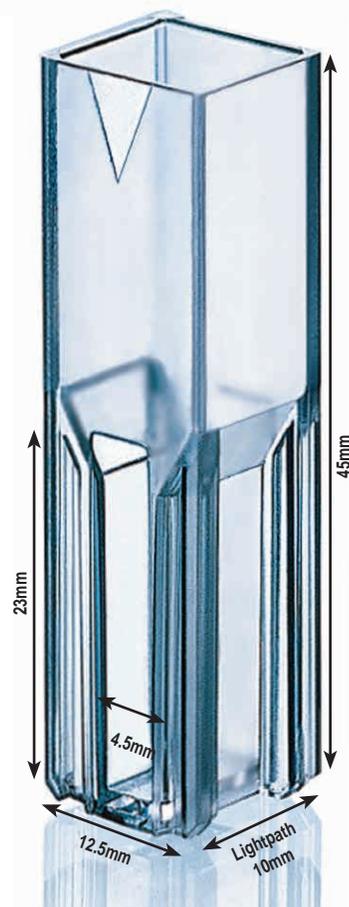
Transmission curves of different cuvettes



BRAND UV-Cuvettes

UV-transparent, disposable cuvettes from BRAND replace expensive, fragile quartz cuvettes and are excellent for DNA, RNA, and protein analyses between 230-900nm. See Transmission curves on page 103. Made from a proprietary polycyclical olefin, they are resistant to many aggressive solvents and eliminate the tedious maintenance, cleaning, and contamination risk of quartz cuvettes. Additionally, they fit most commercial spectrophotometers and photometers without requiring the use of special adapters.

- **Eliminate the Hassles of Quartz Cuvettes:** Eliminate the washing, cross-contamination, breakage and expense associated with fragile quartz cuvettes.
- **Allow Smaller Sample Sizes:** In addition to macro and semi-micro sizes that require 2.5mL and 1.5mL of sample volume, respectively, BRAND UV-Cuvettes are available in ultra-micro sizes that require only 70 μ L of sample volume.
- **Ultra-micro Cuvettes are Available Individually-Wrapped:** Independently-certified DNA-, DNase-, RNase-free for an extra degree of sample protection.
- **Resist Most Chemicals:** Cuvettes may be used with most polar organic solvents, as well as a broad range of acids and bases. They have much greater chemical resistance than PS or PMMA cuvettes and are compatible with chemicals such as acetone, butanone, DMF, and concentrated hydrochloric acid.
- **Perform Consistently:** Cuvettes are manufactured from scratch-resistant materials, and are grouped by manufacturing mold cavity number to ensure the lowest variation in extinction coefficient.
- **Manufactured by BRAND:** BRAND is one of the world's largest cuvette manufacturers. Their 25 years experience producing quality cuvettes is your assurance of reliability.



BRAND semi-micro disposable cuvette

UV-transparent, Chemical-resistant, and Disposable. Save Time and Money.



UV-Cuvettes

ORDERING INFORMATION

Description	Cat. No.	2014 List Price
BRAND UV-Cuvette UV-transparent disposable cuvettes (specifications below)		
Macro, pack of 100	759170	\$84.00
Semi-micro, pack of 500	759165	377.00
Semi-micro, pack of 100	759150	84.00
BRAND UV-Cuvette ultra-micro (15mm window height), pack of 500	759230	377.00
BRAND UV-Cuvette ultra-micro (15mm window height), pack of 100	759220	84.00
Individually-wrapped BRAND UV-Cuvette ultra-micro (15mm window height), pack of 100	759235	123.00
BRAND UV-Cuvette ultra-micro (8.5mm window height), pack of 500	759210	377.00
BRAND UV-Cuvette ultra-micro (8.5mm window height), pack of 100	759200	84.00
Individually-wrapped BRAND UV-Cuvette ultra-micro (8.5mm window height), pack of 100	759215	123.00
Cuvette Caps and Accessories		
Cuvette Caps, round, for ultra-micro cuvettes, bag of 100, Blue	759240	27.40
Cuvette Caps, round, for ultra-micro cuvettes, bag of 100, Yellow	759241	27.40
Cuvette Caps, round, for ultra-micro cuvettes, bag of 100, Green	759242	27.40
Cuvette Caps, round, for ultra-micro cuvettes, bag of 100, Orange	759243	27.40
Polypropylene Cuvette Rack, 16 numbered positions	759500	24.60



BRAND ultra-micro UV-Cuvettes. 15mm (left) and 8.5mm (right) window heights



Round polyethylene caps provide plug-seal for reliable sample storage. Available in 4 colors!



Polypropylene cuvette rack with 16 numbered positions. Autoclavable to 121°C (250°F)

Two window heights to fit most spectrophotometers

Ultra-micro cuvettes must be selected with a window height (z-dimension) that matches the beam height of your spectrophotometer.

Not sure of the beam height of your instrument?
Check our website for help with cuvette selection
www.brandtech.com/beam_heights.asp

Specifications – BRAND Cuvette

Filling volume	Ultra-micro	Semi-micro	Macro
Minimum	70µL	1.5mL	2.5mL
Maximum	550µL (15mm window)	3.0mL	4.5mL
	850µL (8.5mm window)	—	—
Window Dimensions	2mm x 3.5mm (minimum)	4.5mm x	10mm x 35mm
		23mm	
Light Path	10mm	10mm	10mm
Range of application	230-900nm	230-900nm	230-900nm

www.brandtech.com/cuvette_comp.asp for additional cuvette compatibility information.

Examples of chemical resistance of UV-Cuvettes

Substance	UV-Cuvette
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	+