ratiolab® Cuvets

ratiolab® Cuvets

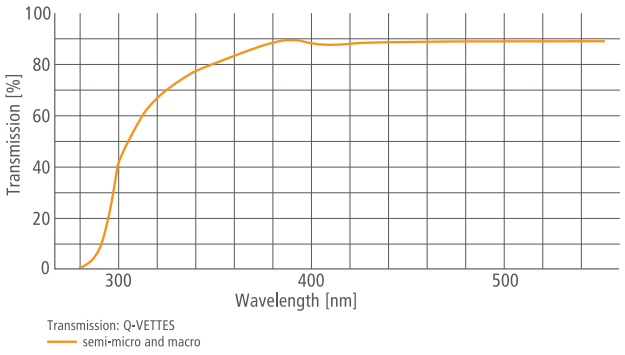
Disposable cuvets have long replaced cuvets once normally made of glass. New plastics coupled with modern methods of production allow photometric measurement well into the UV range.

Ultra-precision molds with several cavities – one per cuvet – are used for producing ratiolab® Q-VETTES and ratiolab® CUVETTES under controlled room conditions. Thus, in any one injection molding run several cuvets are produced simultaneously. In order to prevent deviations in extinction coefficient values from occurring in any one run due to increased stray light, the cuvets are automatically sorted according to their numbered cavities of origin. Each package contains only cuvets that have been produced in any one cavity. The corresponding cavity number is noted on each package. Thus, even for extensive analyses, the same cuvets can be used.

ratiolab® Q-VETTES

The new generation of cuvets with clearly improved photometric properties. The new optimized form and the small wall thickness of the cuvets provides increased heat transfer resulting in more constant sample temperatures during photometric measurements.

- glass-clear polystyrene (PS)
- applicable wavelength range 340 to 900 nm
- very low variation of extinction values
- excellent optical transmission range
- cavity-sorted production
- path length 10 mm
- outer dimensions 12.5 x 12.5 x 45 mm
- supplied in practical polystyrene boxes: 100 cuvets in a polystyrene box with closable lid



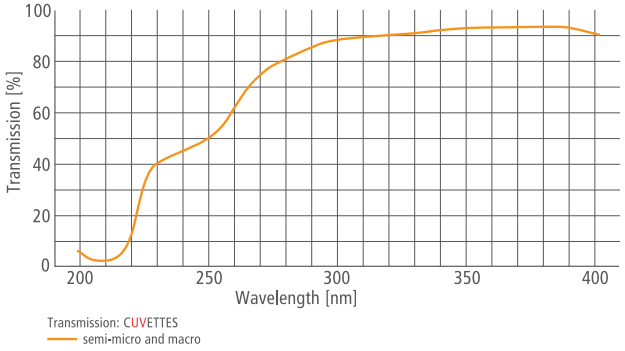
Product	Description	Volume ml	Packaging	Quantity per Pack	Order No.
ratiolab® Q-VETTES semi-micro	PS	1.6	styrofoam racks 10 x 100	1000	27 12 120
ratiolab® Q-VETTES macro	PS	4.0	styrofoam racks 10 x 100	1000	27 11 110

ratiolab® Cuvets

ratiolab® CUVETTES

For photometric measurements even in the UV range.
Due to the special plastic material and the excellent manufacturing process the cuvets can also be used in photometric ranges reserved for UV glass cuvets in the past.

- applicable wavelength range 220 to 900 nm
- very low variation of extinction values
- excellent optical transmission range
- cavity-sorted production
- path length 10 mm
- outer dimensions 12.5 x 12.5 x 45 mm
- supplied in practical styrofoam racks: 100 cuvets in a styrofoam box with a resealable cover



Product	Description	Volume ml	Packaging	Quantity per Pack	Order No.
ratiolab® CUVETTES semi-micro	UV	1.6	styrofoam rack 1 x 100	100	27 22 120
ratiolab® CUVETTES macro	UV	4.0	styrofoam rack 1 x 100	100	27 22 110

ratiolab® Cuvets of PMMA

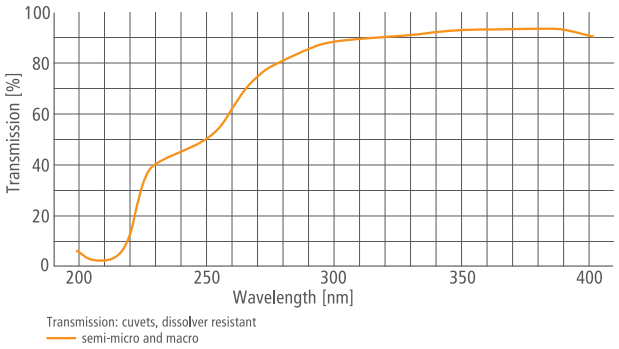
- cuvets of polymethylmethacrylate (PMMA)
- applicable wavelength range 300 to 900 nm
- very low variation of extinction values
- excellent optical transmission range
- path length 10 mm
- outer dimensions 12.5 x 12.5 x 45 mm
- supplied in practical styrofoam racks: 100 cuvets in a styrofoam box with a resealable cover

Product	Description	Volume ml	Packaging	Quantity per Pack	Order No.
ratiolab® semi-micro cuvets	PMMA	1.6	styrofoam racks 10 x 100	1000	28 10 100
ratiolab® macro cuvets	PMMA	4.0	styrofoam racks 10 x 100	1000	28 11 110

ratiolab® Cuvets

ratiolab® Cuvets, Solvent Resistant

- resistant against polar solvents
- applicable wavelength range 220 to 900 nm
- very low variation of extinction values
- excellent optical transmission range
- cavity-sorted production
- path length 10 mm
- outer dimensions 12.5 x 12.5 x 45 mm
- supplied in practical styrofoam racks: 100 cuvets in a styrofoam box with a resealable cover



Product	Description	Volume ml	Packaging	Quantity per Pack	Order No.
ratiolab® semi-micro cuvets	solvent resistant	1.6	styrofoam rack 1 x 100	100	27 25 120
ratiolab® macro cuvets	solvent resistant	4.0	styrofoam rack 1 x 100	100	27 25 110

Stopper for Cuvets

Polypropylene

- for all ratiolab® cuvets
- packed in 1 plastic bag of 1000 pieces

Type	Packaging	Quantity per Pack	Order No.
Stoppers for cuvets	1 x 1000	1000	28 12 011