

# SPECTROSCOPY

"Q" Glass offers a broad selection of spectrophotometer cells, made from the finest materials available, for a variety of spectrophotometer applications. Standard 10mm path length cells require approximately 3ml of sample for measurement. If less than 3ml of sample is available, please see our micro and semimicro cells. However, due to the thick walls of micro and semimicro cells, some light scattering can occur. So for highly accurate measurements please see our self masking cells. Four types of window materials are available. See below for guaranteed transmission on empty cells.

Material	Application
Optical Glass	Visible
UV Quartz	UV/Visible
Far UV Quartz	UV/Visible
Infrared	IR/FTIR

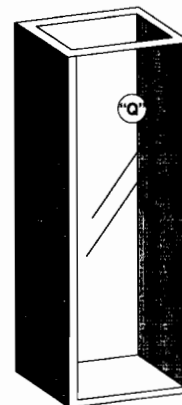
Transmission on Empty Cell
At 320nm 82%
At 220nm 80%
At 200nm 80%
At 2730nm 88%

*Note: Special spectrophotometer cells are available, please call with your requirements.*

## QS-6001 STANDARD CELL WITH TEFLON COVER

Two polished windows and two frosted windows. Outside dimensions: 12.5mm width x 45mm high. Complete with teflon covers.

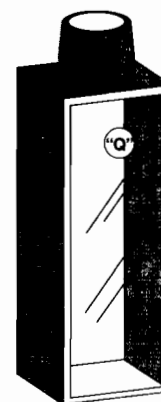
Path Length, MM	Approx. Capacity, ML	Codes			
		Optical Glass	UV Quartz	Infrared Quartz	ES Quartz Far UV
1	0.4	-110	-217	-324	-431
2	0.7	-111	-218	-325	-432
5	1.7	-112	-219	-326	-433
10	3.5	-113	-220	-327	-434
20	7.0	-114	-221	-328	-435
40	14.0	-115	-222	-329	-436
50	17.5	-116	-223	-330	-437



## QS-6011 STANDARD CELL WITH GLASS CAP

Two polished windows and two frosted windows. Outside dimensions: 12.5mm width x 55mm high. Complete with glass cap.

Path Length, MM	Approx. Capacity, ML	Codes		
		UV Quartz	Infrared Quartz	ES Quartz Far UV
1	0.4	-110	-216	-322
2	0.7	-111	-217	-323
3	1.7	-112	-218	-324
10	3.5	-113	-219	-325
20	7.0	-114	-220	-326
40	14.0	-115	-221	-327



## QS-6021 STANDARD CELL WITH TEFLON STOPPER

Two polished windows and two frosted windows. Outside dimensions: 12.5mm width x 49mm high. Complete with teflon stopper.

Path Length, MM	Approx. Capacity, ML	Codes			
		Optical Glass	UV Quartz	Infrared Quartz	ES Quartz Far UV
1	0.4	-110	-217	-324	-431
2	0.7	-111	-218	-325	-432
5	1.7	-112	-219	-326	-433
10	3.5	-113	-220	-327	-434
20	7.0	-114	-221	-328	-435
40	14.0	-115	-222	-329	-436
50	17.5	-116	-223	-330	-437

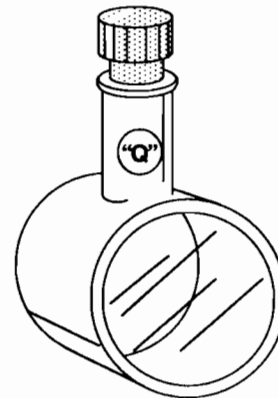


# SPECTROSCOPY

## QS-6032 CYLINDRICAL CELL WITH TEFLON STOPPER

Two polished windows. 22mm OD x 30mm high. Complete with stopper.

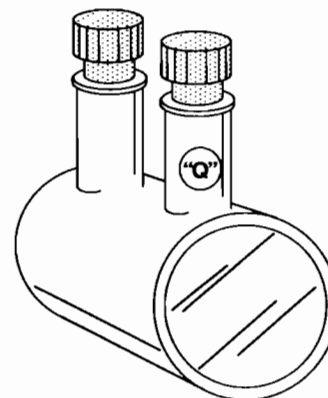
Path Length <u>MM</u>	Approx. <u>Capacity, ML</u>	Codes			
		<u>Optical Glass</u>	<u>UV Quartz</u>	<u>Infrared Quartz</u>	<u>ES Quartz Far UV</u>
10	3.1	-110	-212	-314	-416
20	6.3	-111	-213	-315	-417



## QS-6034 CYLINDRICAL CELL WITH TEFLON STOPPERS

Two polished windows. 22mm OD x 35.5mm high. Complete with stoppers.

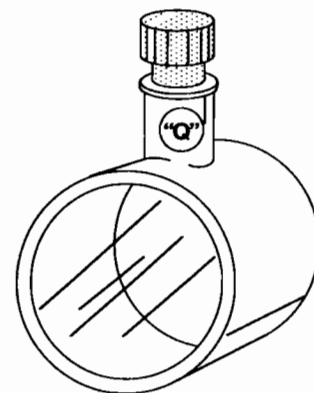
Path Length <u>MM</u>	Approx. <u>Capacity, ML</u>	Codes			
		<u>Optical Glass</u>	<u>UV Quartz</u>	<u>Infrared Quartz</u>	<u>ES Quartz Far UV</u>
50	15.7	-110	-212	-314	-416
100	31.4	-111	-213	-315	-417



## QS-6035 CYLINDRICAL CELL

Large diameter with two polished windows. 50mm OD x 58mm high. Complete with teflon stopper.

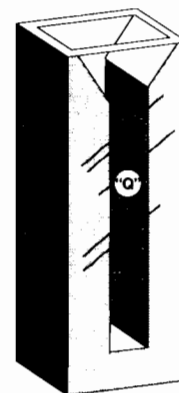
Path Length <u>MM</u>	Approx. <u>Capacity, ML</u>	Codes		
		<u>Optical Glass</u>	<u>UV Quartz</u>	<u>ES Quartz Far UV</u>
10	16.6	-110	-213	-316
20	33.2	-111	-214	-317
50	83.0	-112	-215	-318



## QS-6009 SEMI-MICRO CELL WITH TEFLON COVER

Two thick frosted walls and two polished windows. Outside dimensions: 12.5mm width x 45mm high x inside width 4mm. Complete with teflon cover.

Path Length, <u>MM</u>	Approx. Capacity, <u>ML</u>	Codes			
		<u>Optical Glass</u>	<u>UV Quartz</u>	<u>Infrared Quartz</u>	<u>ES Quartz Far UV</u>
5	0.7	-110	-215	-320	-425
10	1.4	-111	-216	-321	-426
20	2.8	-112	-217	-322	-427
40	5.6	-113	-218	-323	-428
50	7.0	-114	-219	-324	-429



# SPECTROSCOPY

## QS-6009M SEMI-MICRO SELF MASKING CELL

Two polished windows with two black sides and bottom, which absorbs all direct and scattered light that would otherwise reflect and cause problems in accuracy and reproductibility. Outside dimensions: 12.5mm width x 45mm high x inside width 4mm. Complete with teflon cover.



Path Length, MM	Approx. Capacity, ML	Codes			
		UV Quartz	Infrared Quartz	ES Quartz	Far UV
5	0.7	-110	-214	-318	
10	1.4	-111	-215	-319	
20	2.8	-112	-216	-320	
40	5.6	-113	-217	-321	

## QS-6029 SEMI-MICRO WITH TEFLON STOPPER

Two thick frosted walls and two polished windows. Outside dimensions: 12.5mm OD x 49mm high x inside width 4mm. Complete with teflon stopper.



Path Length, MM	Approx. Capacity, ML	Codes			
		Optical Glass	UV Quartz	Infrared Quartz	ES Quartz Far UV
5	0.7	-110	-214	-318	-422
10	1.4	-111	-215	-319	-423
20	2.8	-112	-216	-320	-424
40	5.6	-113	-217	-321	-425

## QS-6029M SEMI-MICRO SELF MASKING CELL

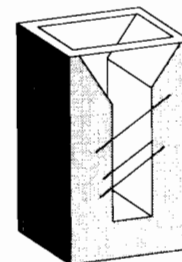
Two polished windows with two black sides and bottom, which absorbs all direct and scattered light. Outside dimensions: 12.5mm wide x 49mm high x inside width 4mm. Complete with teflon stopper.



Path Length, MM	Approx. Capacity, ML	Codes		
		UV Quartz	Infrared Quartz	ES Quartz Far UV
5	0.7	-110	-213	-316
10	1.4	-111	-214	-317
20	2.8	-112	-215	-318

## QS-6017 SHORT MICRO WITH TEFLON COVER

Two thick frosted walls and two polished windows. Outside dimensions: 12.5mm width x 25mm high x inside width 2mm. Complete with teflon cover.

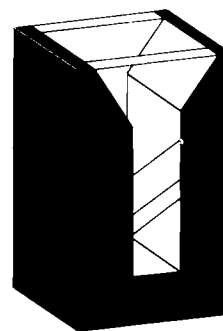


Path Length, MM	Approx. Capacity, ML	Codes			
		Optical Glass	UV Quartz	Infrared Quartz	ES Quartz Far UV
5	0.2	-110	-215	-320	-425
10	0.4	-111	-216	-321	-426
20	0.8	-112	-217	-322	-427
40	1.6	-113	-218	-323	-428
50	2.0	-114	-219	-324	-429

# SPECTROSCOPY

## QS-6017M SHORT MICRO SELF MASKING CELL

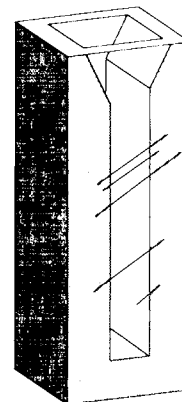
Two polished windows with two black sides and bottom, which absorbs all direct and scattered light. Outside dimensions: 12.5mm wide x 25mm high x inside width 2mm. Complete with teflon cover.



Path Length, MM	Approx. Capacity, ML	Codes		
		UV Quartz	Infrared Quartz	ES Quartz Far UV
5	0.2	-110	-213	-316
10	0.4	-111	-214	-317
20	0.8	-112	-215	-318

## QS-6018 MICRO CELL WITH TEFLON COVER

Two thick frosted walls and two polished windows. Outside dimensions: 12.5mm width x 45mm high x inside width 2mm. Complete with teflon cover.



Path Length, MM	Approx. Capacity, ML	Codes			
		Optical Glass	UV Quartz	Infrared Quartz	ES Quartz Far UV
5	0.4	-110	-215	-320	-425
10	0.7	-111	-216	-321	-426
20	1.5	-112	-217	-322	-427
40	3.0	-113	-218	-323	-428
50	3.7	-114	-219	-324	-429

## QS-6018M MICRO SELF MASKING CELL

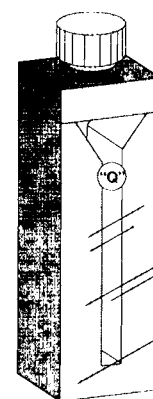
Two polished windows with two black sides and bottom, which absorbs all direct and scattered light. Outside dimensions: 12.5mm wide x 45mm high x inside width 2mm. Complete with teflon cover.



Path Length, MM	Approx. Capacity, ML	Codes		
		UV Quartz	Infrared Quartz	ES Quartz Far UV
5	0.4	-110	-213	-316
10	0.7	-111	-214	-317
20	1.5	-112	-215	-318

## QS-6030 MICRO CELL WITH TEFLON STOPPER

Two thick frosted walls and two polished windows. Outside dimensions: 12.5mm wide x 49mm high x inside width 2mm. Complete with teflon stopper.



Path Length, MM	Approx. Capacity, ML	Codes		
		UV Quartz	Infrared Quartz	ES Quartz Far UV
5	0.4	-110	-214	-318
10	0.7	-111	-215	-319
20	1.5	-112	-216	-320
40	3.0	-113	-217	-321

# SPECTROSCOPY

## QS-6030M MICRO SELF MASKING CELL

Two polished windows and two black sides and bottom, which absorbs direct and scattered light. Outside dimensions: 12.5mm wide x 49mm high x inside width 2mm. Complete with teflon Stopper.

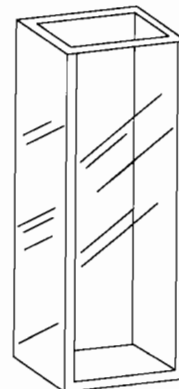
Path Length, MM	Approx. Capacity, ML	Codes		
		UV Quartz	Infrared Quartz	ES Quartz Far UV
5	0.4	-110	-213	-316
10	0.7	-111	-214	-317
20	1.5	-112	-215	-318



## QS-6003 FLOURIMETER CELL WITH TEFLON COVER

All four windows and base are polished. Outside dimensions: 12.5mm wide x 45mm high. Complete with teflon cover.

Path Length, MM	Approx. Capacity, ML	Codes			
		Optical Glass	UV Quartz	Infrared Quartz	ES Quartz Far UV
5	1.7	-110	-214	-318	-422
10	3.5	-111	-215	-319	-423
20	7.0	-112	-216	-320	-424
40	14.0	-113	-217	-321	-425



## QS-6013 FLOURIMETER CELL WITH GLASS CAP

All four windows and base are polished. Outside dimensions: 12.5mm wide x 55mm high. Complete with glass cap.

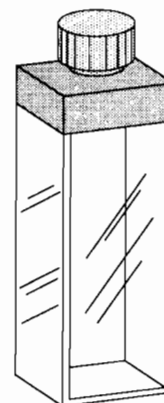
Path Length, MM	Approx. Capacity, ML	Codes			
		Optical Glass	UV Quartz	Infrared Quartz	ES Quartz Far UV
5	1.7	-110	-214	-318	-422
10	3.5	-111	-215	-319	-423
20	7.0	-112	-216	-320	-424
40	14.0	-113	-217	-321	-425



## QS-6023 FLOURIMETER CELL WITH TEFLON STOPPER

All four windows and base are polished. Outside dimensions: 12.5mm wide x 49mm high. Complete with teflon stopper.

Path Length, MM	Approx. Capacity, ML	Codes			
		Optical Glass	UV Quartz	Infrared Quartz	ES Quartz Far UV
5	1.7	-110	-214	-318	-422
10	3.5	-111	-215	-319	-423
20	7.0	-112	-216	-320	-424
40	14.0	-113	-217	-321	-425

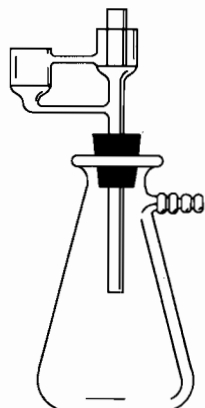


# SPECTROSCOPY

## QS-6065S SINGLE GLASS WASHER

This model is designed to wash one cell at a time. The washer gently sprays the interior walls of a cell. The design also allows the washing agent to be stored in the flask for further use.

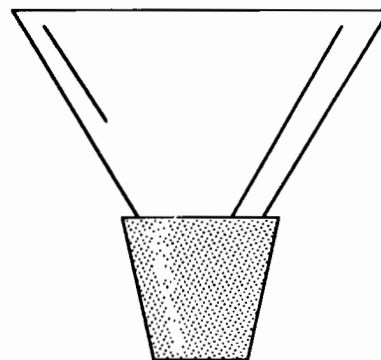
Code  
-110



## QS-6A22 FUNNEL

This funnel will fit all stopper cells.

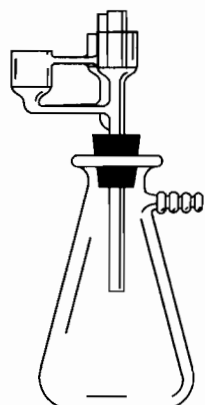
Code  
-110



## QS-6065D DOUBLE CELL WASHER

Similar to QS-6065S, but this model is designed to wash two cells at the same time. Both cell washers are available with ground joints to fit your vacuum flask, please request.

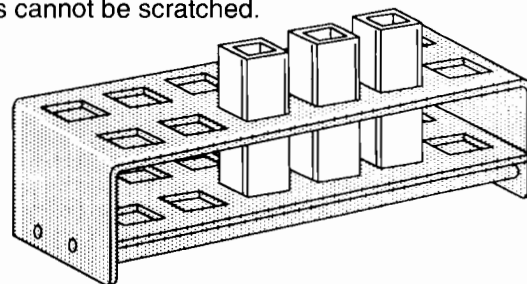
Code  
-110



## QS-6066 CELL RACK

This rack is designed to hold 12 x 10mm path length cells and is made of polyethylene to ensure that windows cannot be scratched.

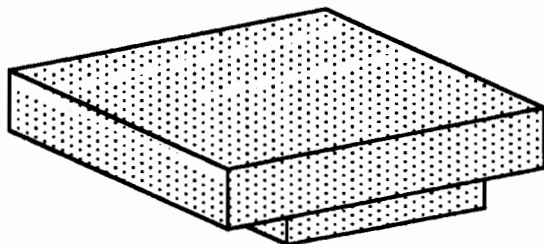
Code  
-110



## QS-60A1 TEFLON COVER

For all cells using this type of cover.

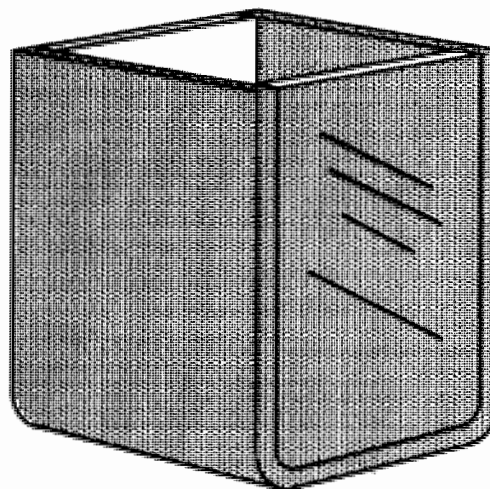
Code  
-110



## QS-6075 CELL, OPTICAL

Soft glass absorption cell for colorimetry, clear front and back, ground sides and bottom.

Path	Length, MM	Width, MM	Height, MM	Code
	10	50	50	-110
	25	50	60	-111
	50	50	50	-112
	50	50	75	-113



## QS-60A2 TEFLON STOPPER

For all cells using this type of stopper.

Code  
-110

