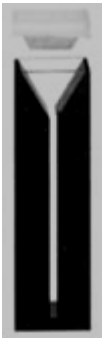


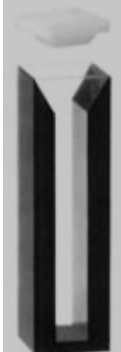
Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
					ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 Standard cell with lid	45 x 12.5 x 3.5	1	10	0.35	Q-1	I -1	G-1
	45 x 12.5 x 4.5	2	10	0.70	Q-2	I -2	G-2
	45 x 12.5 x 7.5	5	10	1.7	Q-3	I -3	G-3
	45 x 12.5 x 12.5	10	10	3.5	Q-4	I -4	G-4
	45 x 12.5 x 22.5	20	10	7.0	Q-5	I -5	G-5
	45 x 12.5 x 32.5	30	10	10.5	Q-6	I -6	G-6
	45 x 12.5 x 42.5	40	10	14	Q-7	I -7	G-7
	45 x 12.5 x 52.5	50	10	17.5	Q-8	I -8	G-8
	45 x 12.5 x 102.5	100	10	35.0	Q-9	I -9	G-9
 Standard cell with teflon stopper	45 x 12.5 x 7.5	5	10	1.7	Q-13	I -13	G-13
	45 x 12.5 x 12.5	10	10	3.5	Q-14	I -14	G-14
	45 x 12.5 x 22.5	20	10	7.0	Q-15	I -15	G-15
	45 x 12.5 x 32.5	30	10	10.5	Q-16	I -16	G-16
	45 x 12.5 x 42.5	40	10	14.0	Q-17	I -17	G-17
	45 x 12.5 x 52.5	50	10	17.5	Q-18	I -18	G-18
	45 x 12.5 x 102.5	100	10	35.0	Q-19	I -19	G-19

 Sem I -Micro cell with black walls and with lid	45 x 12.5 x 7.5	5	4	0.7	Q-23	I -23	G-23
	45 x 12.5 x 12.5	10	4	1.4	Q-24	I -24	G-24
	45 x 12.5 x 22.5	20	4	2.8	Q-25	I -25	G-25
	45 x 12.5 x 32.5	30	4	4.2	Q-26	I -26	G-26
	45 x 12.5 x 42.5	40	4	5.6	Q-27	I -27	G-27
	45 x 12.5 x 52.5	50	4	7	Q-28	I -28	G-28
	45 x 12.5 x102.5	100	4	14	Q-29	I -29	G-29
 Sem I -Micro cell with black walls and teflon stopper	45 x 12.5 x 7.5	5	4	0.7	Q-33	I -33	G-33
	45 x 12.5 x 12.5	10	4	1.4	Q-34	I -34	G-34
	45 x 12.5 x 22.5	20	4	2.8	Q-35	I -35	G-35
	45 x 12.5 x 32.5	30	4	4.2	Q-36	I -36	G-36
	45 x 12.5 x 42.5	40	4	5.6	Q-37	I -37	G-37
	45 x 12.5 x 52.5	50	4	7	Q-38	I -38	G-38
	45 x 12.5 x102.5	100	4	14	Q-39	I -39	G-39

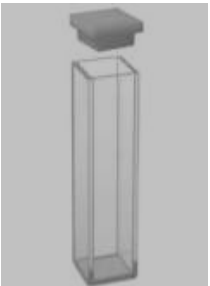
Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
					ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 Micro cell with black walls and with lid	45 x 12.5 x 7.5	5	2	0.35	Q-43	I -43	G-43
	45 x 12.5 x 12.5	10	2	0.7	Q-44	I -44	G-44
	45 x 12.5 x 22.5	20	2	1.4	Q-45	I -45	G-45
	45 x 12.5 x 32.5	30	2	2.1	Q-46	I -46	G-46
	45 x 12.5 x 42.5	40	2	2.8	Q-47	I -47	G-47
	45 x 12.5 x 52.5	50	2	3.5	Q-48	I -48	G-48
	45 x 12.5 x 102.5	100	2	7	Q-49	I -49	G-49
 Micro cell with black walls and telfon stopper	45 x 12.5 x 7.5	5	2	0.35	Q-53	I -53	G-53
	45 x 12.5 x 12.5	10	2	0.7	Q-54	I -54	G-54
	45 x 12.5 x 22.5	20	2	1.4	Q-55	I -55	G-55
	45 x 12.5 x 32.5	30	2	2.1	Q-56	I -56	G-56
	45 x 12.5 x 42.5	40	2	2.8	Q-57	I -57	G-57
	45 x 12.5 x 52.5	50	2	3.5	Q-58	I -58	G-58
	45 x 12.5 x 102.5	100	2	7	Q-59	I -59	G-59

[illegible]

Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
					ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 Standard cell with teflon stopper and with round bottom	45 x 12.5 x 7.5	5	10	1.7	Q-113	I -113	G-113
	45 x 12.5 x 12.5	10	10	3.5	Q-114	I -114	G-114
	45 x 12.5 x 22.5	20	10	7.0	Q-115	I -115	G-115
	45 x 12.5 x 32.5	30	10	10.5	Q-116	I -116	G-116
	45 x 12.5 x 42.5	40	10	14.0	Q-117	I -117	G-117
	45 x 12.5 x 52.5	50	10	17.5	Q-118	I -118	G-118
	45 x 12.5 x 102.5	100	10	35.0	Q-119	I -119	G-119
 Micro cell with black walls and with lid	45 x 12.5 x 7.5	5	1	0.17	Q-123	I -123	G-123
	45 x 12.5 x 12.5	10	1	0.35	Q-124	I -124	G-124
	45 x 12.5 x 22.5	20	1	0.7	Q-125	I -125	G-125
	45 x 12.5 x 32.5	30	1	1	Q-126	I -126	G-126
	45 x 12.5 x 42.5	40	1	1.4	Q-127	I -127	G-127
	45 x 12.5 x 52.5	50	1	1.75	Q-128	I -128	G-128
	45 x 12.5 x 102.5	100	1	3.5	Q-129	I -129	G-129

 Micro cell with black walls and with lid	45 x 12.5 x 7.5	5	3	0.50	Q-133	I -133	G-133
	45 x 12.5 x 12.5	10	3	1.0	Q-134	I -134	G-134
	45 x 12.5 x 22.5	20	3	2.1	Q-135	I -135	G-135
	45 x 12.5 x 32.5	30	3	3.15	Q-136	I -136	G-136
	45 x 12.5 x 42.5	40	3	4.2	Q-137	I -137	G-137
	45 x 12.5 x 52.5	50	3	5.25	Q-138	I -138	G-138
 Semi-Micro cell with black walls and with lid	45 x 12.5 x 7.5	5	5	0.85	Q-143	I -143	G-143
	45 x 12.5 x 12.5	10	5	1.75	Q-144	I -144	G-144
	45 x 12.5 x 22.5	20	5	3.5	Q-145	I -145	G-145
	45 x 12.5 x 32.5	30	5	5.25	Q-146	I -146	G-146
	45 x 12.5 x 42.5	40	5	7	Q-147	I -147	G-147
	45 x 12.5 x 52.5	50	5	8.75	Q-148	I -148	G-148
	45 x 12.5 x 102.5	100	5	17.5	Q-149	I -149	G-149

Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
					ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm

 Standard fluorometer cell with lid	45 x12.5 x 7.5	5	10	1.7	Q-203	I -203	G-203
	45 x 12.5 x 12.5	10	10	3.5	Q-204	I -204	G-204
	45 x 12.5 x 22.5	20	10	7.0	Q-205	I -205	G-205
	45 x 12.5 x 32.5	30	10	10.5	Q-206	I -206	G-206
	45 x12.5 x 42.5	40	10	14.0	Q-207	I -207	G-207
	45 x12.5 x 52.5	50	10	17.5	Q-208	I -208	G-208
	45 x12.5 x 102.5	100	10	35.0	Q-209	I -209	G-209

 Standard fluorometer cell with teflon stopper	45 x 12.5 x 7.5	5	10	1.7	Q-213	I -213	G-213
	45 x 12.5 x 12.5	10	10	3.5	Q-214	I -214	G-214
	45 x 12.5 x 22.5	20	10	7.0	Q-215	I -215	G-215
	45 x 12.5 x 32.5	30	10	10.5	Q-216	I -216	G-216
	45 x 12.5 x 42.5	40	10	14.0	Q-217	I -217	G-217
	45 x 12.5 x 52.5	50	10	17.50	Q-218	I -218	G-218
	45 x 12.5 x 102.5	100	10	35.0	Q-219	I -219	G-219
 Micro cell with frosted walls and with lid	45 x 12.5 x 7.5	5	1	0.17	Q-233	I -233	G-233
	45 x 12.5 x 12.5	10	1	0.35	Q-234	I -234	G-234
	45 x 12.5 x 22.5	20	1	0.70	Q-235	I -235	G-235
	45 x 12.5 x 32.5	30	1	1	Q-236	I -236	G-236
	45 x 12.5 x 42.5	40	1	1.4	Q-237	I -237	G-237
	45 x 12.5 x 52.5	50	1	1.75	Q-238	I -238	G-238
	45 x 12.5 x 102.5	100	1	3.5	Q-239	I -239	G-239

[illegible]



Semi-Micro cell with frosted walls
and with lid

45 x 12.5 x 7.5	5	4	0.7	Q-263	I -263	G-263
45 x 12.5 x 12.5	10	4	1.4	Q-264	I -264	G-264
45 x 12.5 x 22.5	20	4	2.8	Q-265	I -265	G-265
45 x 12.5 x 32.5	30	4	4.2	Q-266	I -266	G-266
45x12.5 x 42.5	40	4	5.6	Q-267	I -267	G-267
45 x 12.5 x 52.5	50	4	7	Q-268	I -268	G-268
45 x 12.5 x 102.5	100	4	14.0	Q-269	I -268	G-269



Semi-Micro cell with frosted walls
and with lid

45 x 12.5 x 7.5	5	5	0.85	Q-273	I -273	G-273
45 x 12.5 x 12.5	10	5	1.7	Q-274	I -274	G-274
45 x 12.5 x 22.5	20	5	3.5	Q-275	I -275	G-275
45 x 12.5 x 32.5	30	5	5.2	Q-276	I -276	G-276
45 x 12.5 x 42.5	40	5	7	Q-277	I -277	G-277
45 x 12.5 x 52.5	50	5	8.75	Q-278	I -278	G-278
45 x 12.5 x 102.5	100	5	17.5	Q-279	I -279	G-279

Picture and Name	Outside Dim mm	HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
						ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 Micro cell with frosted walls and with teflon stopper	45 x 12.5 x 7.5		5	2	0.35	Q-283	I -283	G-283
	45 x 12.5 x 12.5		10	2	0.7	Q-284	I -284	G-284
	45 x 12.5 x 22.5		20	2	1.4	Q-285	I -285	G-285
	45 x 12.5 x 32.5		30	2	2.1	Q-286	I -286	G-286
	45 x 12.5 x 42.5		40	2	2.8	Q-287	I -287	G-287
	45 x 12.5 x 52.5		50	2	3.5	Q-288	I -288	G-288
	45 x 12.5 x 102.5		100	2	7.0	Q-289	I -289	G-289
 Semi-Micro cell with frosted walls and with teflon stopper	45 x 12.5 x 7.5		5	4	0.7	Q-293	I -293	G-293
	45 x 12.5 x 12.5		10	4	1.4	Q-294	I -294	G-294
	45 x 12.5 x 22.5		20	4	2.8	Q-295	I -295	G-295
	45 x 12.5 x 32.5		30	4	4.2	Q-296	I -296	G-296
	45 x 12.5 x 42.5		40	4	5.6	Q-297	I -297	G-297
	45 x 12.5 x 52.5		50	4	7	Q-298	I -298	G-298
	45 x 12.5 x 102.5		100	4	14.0	Q-299	I -299	G-299



Large cell

40x20x 10.4	6.35	16	3.5	Q-321	I -321	G-321
40x20x16.7	12.7	16	7.1	Q-322	I -322	G-322
40x20x29.4	25.4	16	14.2	Q-323	I -323	G-323
40x20x54.8	50.8	16	28.4	Q-324	I -324	G-324
40 x 20 x 137.4	133.35	16	74.6	Q-325	I -325	G-325
40 x 20 x 14	10	16	5.6	Q-326	I -326	G-326
40 x 20 x 104	100	16	56.0	Q-327	I -327	G-327

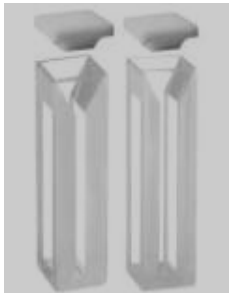


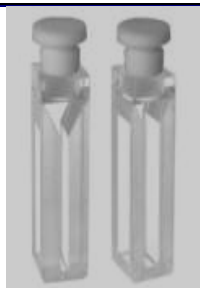
Micro cell with frosted walls and with teflon stopper

45 x 12.5 x 7.5	5	1	0.17	Q-373	I -373	G-373
45 x 12.5 x 12.5	10	1	0.35	Q-374	I -374	G-374
45 x 12.5 x 22.5	20	1	0.7	Q-375	I -375	G-375
45 x 12.5 x 32.5	30	1	1	Q-376	I -376	G-376
45 x 12.5 x 42.5	40	1	1.4	Q-377	I -377	G-377
45 x 12.5 x 52.5	50	1	1.75	Q-378	I -378	G-378
45 x 12.5 x 102.5	100	1	3.5	Q-379	I -379	G-379

Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
					ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 Micro cell with frosted walls and with teflon stopper	45 x 12.5 x 7.5	5	3	0.5	Q-383	I -383	G-383
	45 x 12.5 x 12.5	10	3	1	Q-384	I -384	G-384
	45 x 12.5 x 22.5	20	3	2.1	Q-385	I -385	G-385
	45 x 12.5 x 32.5	30	3	3.15	Q-386	I -386	G-386
	45 x 12.5 x 42.5	40	3	4.2	Q-387	I -387	G-387
	45 x 12.5 x 52.5	50	3	5.25	Q-388	I -388	G-388
	45 x 12.5 x 102.5	100	3	10.5	Q-389	I -389	G-389
 Semi-Micro cell with frosted walls and with teflon stopper	45 x 12.5 x 7.5	5	5	0.85	Q-393	I -393	G-393
	45 x 12.5 x 12.5	10	5	1.7	Q-394	I -394	G-394
	45 x 12.5 x 22.5	20	5	3.5	Q-395	I -395	G-395
	45 x 12.5 x 32.5	30	5	5.2	Q-396	I -396	G-396
	45 x 12.5 x 42.5	40	5	7.0	Q-397	I -397	G-397
	45 x 12.5 x 52.5	50	5	8.75	Q-398	I -398	G-398
	45 x 12.5 x 102.5	100	5	17.5	Q-399	I -399	G-399

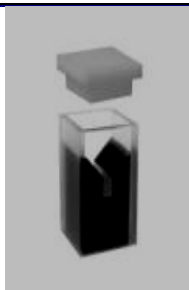
 Standard cell with lid and level bottom	45 x 12.5 x 3.5	1	10	0.35	Q-401	I -401	G-401
	45 x12.5 x 4.5	2	10	0.70	Q-402	I -402	G-402
	45 x 12.5 x 7.5	5	10	0.17	Q-403	I -403	G-403
	45 x 12.5 x 12.5	10	10	3.5	Q-404	I -404	G-404
	45 x 12.5 x 22.5	20	10	7.0	Q-405	I -405	G-405
	45 x 12.5 x 32.5	30	10	10.5	Q-406	I -406	G-406
	45 x 12.5 x 42.5	40	10	14	Q-407	I -407	G-407
	45 x 12.5 x 52.5	50	10	17.5	Q-408	I -408	G-408
	45 x 12.5 x 102.5	100	10	35	Q-409	I -409	G-409
 Micro cell with black walls and with lid	25 x 12.5 x 12.5	10	1	0.15	Q-424	I -424	G-424
	25 x 12.5 x 12.5	10	2	0.30	Q-434	I -434	G-434
	25 x 12.5 x 12.5	10	3	0.45	Q-444	I -444	G-444
	25 x 12.5 x12.5	10	4	0.60	Q-454	I -454	G-454

Picture and Name		Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
						ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 Micro cell with frosted walls and with lid	25 x 12.5 x 12.5	10	1	0.15	Q-464	I -464	G-464	
	25 x 12.5 x 12.5	10	2	0.30	Q-474	I -474	G-474	
	25 x12.5 x 12.5	10	3	0.45	Q-484	I -484	G-484	
	25 x12.5 x 12.5	10	4	0.60	Q-494	I -494	G-494	
 Micro fluorometer cell	45 x 12.5 x 12.5	10	1	0.35	Q-504	I -504	G-504	
	45 x 12.5 x 12.5	10	2	0.7	Q-514	I -514	G-514	
	45 x 12.5 x 12.5	10	3	1	Q-524	I -524	G-524	
	45 x 12.5 x 12.5	10	4	1.4	Q-534	I -534	G-534	
	45 x 12.5 x 12.5	10	5	1.7	Q-544	I -544	G-544	



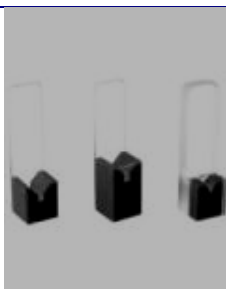
Micro cell
fluorometer cell
with teflon stopper

45 x 12.5 x 12.5	10	1	0.35	Q-554	I -554	G-554
45 x 12.5 x 12.5	10	2	0.7	Q-564	I -564	G-564
45 x 12.5 x 12.5	10	3	1	Q-574	I -574	G-574
45 x 12.5 x 12.5	10	4	1.4	Q-584	I -584	G-584
45 x 12.5 x 12.5	10	5	1.7	Q-594	I -594	G-594



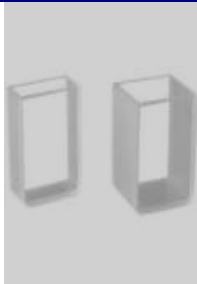
Micro cell with black walls

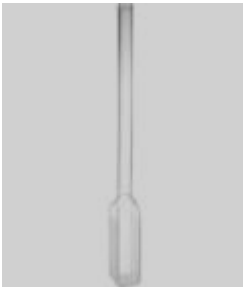
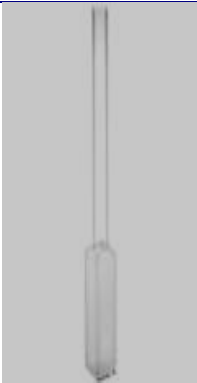
20 x 12.75x 12.75	10	2	0.05	Q-634	I -634	G-634
20 x 12.75x 12.75	10	4	0.01	Q-644	I -644	G-644



Micro cell with black walls

20 x 12.5x 12.5	10	2	0.05	Q-653	I -653	G-653
20 x 12.5x 12.5	10	4	0.1	Q-654	I -654	G-654
19.5 x 12.5x 12.5	10	2	0.05	Q-663	I -663	G-663
19.5 x 12.5x 12.5	10	4	0.1	Q-664	I -664	G-664

Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
					ES Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 Micro cell with black walls	45 x 12.5x 12.5	10	2	0.1	Q-674	I -674	G-674
 Absorptiometer rectangular	45 x 28x 6.5	2.5	25	2.2	Q-682	I -682	G-682
	445 x 28x 9	5	25	4.4	Q-683	I -683	G-683
	45 x 28x 14	10	25	8.8	Q-684	I -684	G-684
	45 x 28x 24	20	25	17.5	Q-685	I -685	G-685
	45 x 28x 44	40	25	35.0	Q-686	I -686	G-686
	45 x 28x 54	50	25	43.8	Q-687	I -687	G-687
	45 x 28x 104	100	25	87.5	Q-688	I -688	G-688
	45 x 28x 204	200	25	175.0	Q-689	I -686	G-689

 Rectangular with graded seal	45 x 12.5x 12.5	10	10	3.5	Q-704	I -704	G-704
	Tube OD 8mm Overall height 120mm						
 Fluorimeter rectangular with graded seal	45 x 12.5x 12.5	10	10	3.5	Q-714	I -714	G-714
	Tube OD 8mm Overall height 120mm						



Rectangular with screw cap

56 x 12.5x 12.5	10	10	3.5	Q-744	I -744	G-744
22.5 x 25x 25	20	20	6.0	Q-751	I -751	G-751
32.5 x 35x 35	30	30	22.5	Q-752	I -752	G-752
42.5 x 45x 45	40	40	56.0	Q-753	I -753	G-753
52.5 x 55x 55	50	50	112.5	Q-754	I -754	G-754



Large cell