

Notes: the cell models in [this catalog](#) is for reference only. For some standard products, they always have inventory, you can buy cells from [our cuvette shop](#). If you have special request, please ask for quote.

About US

[BSDLab Cells](#) is a quality cuvette manufacturer from China. We offer a full line of quartz and glass cells for use in UV/Visible the Spectrometer, Spectrophotometer, Colorimeter, Tintometer, Fluorometer and other instruments. We specialize in manufacturing of quartz and glass flow cells, microchips, cuvettes, and other products.

Our products are used in many universities and research labs throughout the world. Also we can provide OEM service and custom service for instrument manufacturers and cell distributors, please tell us your cuvette's specification, then we can make it for you.

We are guaranteed that our cells will meet your high quality standards in all regards including: transmission, assembly, matching-everything. We pride ourselves in keeping our quality at paramount standards. Rest assured that each cuvette you order has been inspected through a meticulous quality control system.

We are guaranteed to offer best quality products with affordable price for our clients. Our factory always offers you high quality silica glass products, ranging from raw materials to high precision final products.

Your trust is the biggest support for us. We will be your good partner.

Technical Data

Specification Data (Empty cell)

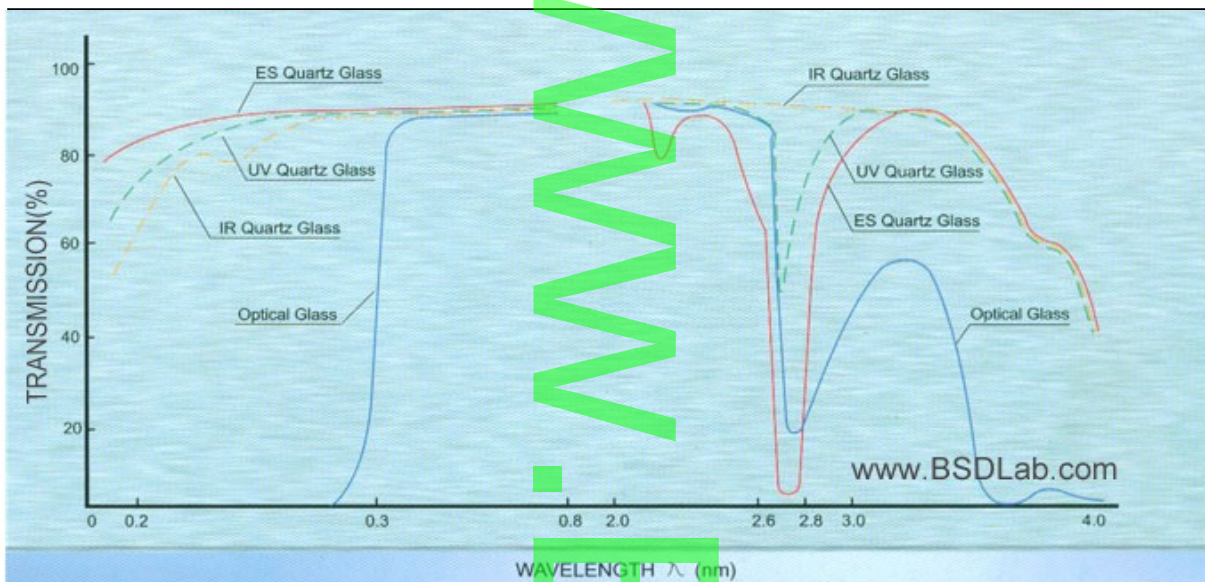
Material	Code	Usable Range	Transmission	Deviations in matching
Optical glass	OG, G	340~2500nm	350nmAbout82%	350nmMAX0.5%
IR Quartz glass	IR, I	250~3500nm	2730nmAbout82%	2730nmMAX0.5%
ES Quartz glass	UV, Q	190~2500nm	200nmAbout82%	200nmMAX0.5%
UV Quartz glass	UV, Q	220~2500nm	220nmAbout82%	220nmMAX0.5%

[ES Quartz is a slightly better grade of quartz than UV Quartz and offers superior transmission in the lower nm range. The usable range of ES Quartz includes UV Quartz whose range is 220~2500nm. So the material of our products chooses ES Quartz as default.]

The data shows transmission characteristics of empty cells made from different materials. (The empty cells: thickness 1.25mm*2, including surface reflection losses.)

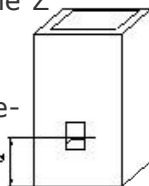
Transmission is a percentage of how well light passes through the windows of a cell at different wavelength. Transmission is measured on a scale of 0-100%.

Transmission can vary greatly depending on the wavelength range being worked in and the material that the cell or vial is made from.



Z Dimension (Zd)

The Z dimension is the height from the bottom of the cell to the center of its sample chamber. In case of using a small volume cell in a spectrophotometer or fluorimeter, the Z dimension should be the same as the height of the instrument's light beam. The height of the light beam is usually 8.5mm, 15mm or 20mm, depending on the manufacturer. When ordering a cell which has more than one Z dimension available, it is necessary to specify the required Z dimension.



Lightpath

Lightpath(PathLength) is the distance between the interior polished walls of a cuvette. Lightpaths are measured in millimeters and can vary from 0.5 mm up to 200 mm. The most common lightpath in use is 10 mm. Most manufacturers provide a standard 10 mm rectangular cuvette holder with their machines, however this should be confirmed with the manufacturer because not all machines may be able to support a 10 mm holder.

Products' common specifications:



- Highly accurate results, only need to test sample one time
- Accurate repeatability, BSDLab Cells cuvettes are made with only the highest quality quartz and glass materials.
- Hand made, ensuring the highest quality optical polish with no defects.
- Every cell is thoroughly inspected before leaving the factory.
- BSDLab Cells cuvettes are guaranteed to give you the best optical transmission.
- Fire fused to ensure the best bonding.
- Different materials available: (Optical Glass, UV/ES/IR Quartz)
- Cuvette's Lid Material: PTFE (teflon)
- Cuvette's Stopper Material: PTFE

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Spectrophotometers cuvettes

Spectrometers cuvettes are those cuvettes which always have two windows polished.

Standard rectangular cuvettes



Picture and Name	Outside Dim HxWxD	Path Length	Inside Width	Volume ml	Product Number		
					UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 Standard cell with lid	45x12.5x3.5	1	10	0.35	UV-1	IR-1	OG-1
	45x12.5x4.5	2	10	0.7	UV-2	IR-2	OG-2
	45x12.5x7.5	5	10	1.7	UV-3	IR-3	OG-3
	45x12.5x12.5	10	10	3.5	UV-4	IR-4	OG-4
	45x12.5x22.5	20	10	7.0	UV-5	IR-5	OG-5
	45x12.5x32.5	30	10	10.5	UV-6	IR-6	OG-6
	45x12.5x42.5	40	10	14.0	UV-7	IR-7	OG-7
	45x12.5x52.5	50	10	17.5	UV-8	IR-8	OG-8
	45x12.5x102.5	100	10	35.0	UV-9	IR-9	OG-9
 Standard cell with teflon stopper	45x12.5x3.5	1	10	0.35	UV-11	IR-11	OG-11
	45x12.5x4.5	2	10	0.7	UV-12	IR-12	OG-12
	45x12.5x7.5	5	10	1.7	UV-13	IR-13	OG-13
	45x12.5x12.5	10	10	3.5	UV-14	IR-14	OG-14
	45x12.5x22.5	20	10	7.0	UV-15	IR-15	OG-15
	45x12.5x32.5	30	10	10.5	UV-16	IR-16	OG-16
	45x12.5x42.5	40	10	14.0	UV-17	IR-17	OG-17
	45x12.5x52.5	50	10	17.5	UV-18	IR-18	OG-18
	45x12.5x102.5	100	10	35.0	UV-19	IR-19	OG-19

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Micro/Sub-micro cuvettes with black walls

Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside		Product Number		
			Width mm	Volume ml	UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
	45x12.5x7.5	5	1	0.17	UV-123	IR-123	OG-123
	45x12.5x12.5	10	1	0.35	UV-124	IR-124	OG-124
	45x12.5x22.5	20	1	0.7	UV-125	IR-125	OG-125
	45x12.5x32.5	30	1	1	UV-126	IR-126	OG-126
	45x12.5x42.5	40	1	1.4	UV-127	IR-127	OG-127
	45x12.5x52.5	50	1	1.75	UV-128	IR-128	OG-128
	45x12.5x102.5	100	1	3.5	UV-129	IR-129	OG-129
	45x12.5x7.5	5	2	0.35	UV-43	IR-43	OG-43
	45x12.5x12.5	10	2	0.7	UV-44	IR-44	OG-44
	45x12.5x22.5	20	2	1.4	UV-45	IR-45	OG-45
	45x12.5x32.5	30	2	2.1	UV-46	IR-46	OG-46
	45x12.5x42.5	40	2	2.8	UV-47	IR-47	OG-47
	45x12.5x52.5	50	2	3.5	UV-48	IR-48	OG-48
	45x12.5x102.5	100	2	7	UV-49	IR-49	OG-49
	45x12.5x7.5	5	3	0.5	UV-133	IR-133	OG-133
	45x12.5x12.5	10	3	1	UV-134	IR-134	OG-134
	45x12.5x22.5	20	3	2.1	UV-135	IR-135	OG-135
	45x12.5x32.5	30	3	3.15	UV-136	IR-136	OG-136
	45x12.5x42.5	40	3	4.2	UV-137	IR-137	OG-137
	45x12.5x52.5	50	3	5.25	UV-138	IR-138	OG-138
45x12.5x102.5	100	3	10.5	UV-139	IR-139	OG-139	
	45x12.5x7.5	5	2	0.35	UV-53	IR-53	OG-53
	45x12.5x12.5	10	2	0.7	UV-54	IR-54	OG-54
	45x12.5x22.5	20	2	1.4	UV-55	IR-55	OG-55
	45x12.5x32.5	30	2	2.1	UV-56	IR-56	OG-56
	45x12.5x42.5	40	2	2.8	UV-57	IR-57	OG-57
	45x12.5x52.5	50	2	3.5	UV-58	IR-58	OG-58
	45x12.5x102.5	100	2	7	UV-59	IR-59	OG-59
	25x12.5x12.5	10	1	0.15	UV-424	IR-424	OG-424
	25x12.5x12.5	10	2	0.3	UV-434	IR-434	OG-434
	25x12.5x12.5	10	3	0.45	UV-444	IR-444	OG-444
	25x12.5x12.5	10	4	0.60	UV-454	IR-454	OG-454
	20x12.75x12.75	10	2	0.05	UV-634	IR-634	OG-634
	25x12.75x12.75	10	4	0.1	UV-644	IR-644	OG-644



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Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
					UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 Micro cell with black walls	13x12.5x12.5	10	2	0.05	UV-653	IR-653	OG-653
	13x12.5x12.5	10	4	0.1	UV-654	IR-654	OG-654
	19.5x12.5x12.5	10	2	0.05	UV-663	IR-663	OG-663
	19.5x12.5x12.5	10	4	0.1	UV-664	IR-664	OG-664
 Micro cell with black walls	45x12.5x12.5	10	2	0.1	UV-674	IR-674	OG-674

Micro cuvettes with frosted walls



Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
					UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 Micro cells with frosted walls and lid	45x12.5x7.5	5	1	0.17	UV-233	IR-233	OG-233
	45x12.5x12.5	10	1	0.35	UV-234	IR-234	OG-234
	45x12.5x22.5	20	1	0.7	UV-235	IR-235	OG-235
	45x12.5x32.5	30	1	1	UV-236	IR-236	OG-236
	45x12.5x42.5	40	1	1.4	UV-237	IR-237	OG-237
	45x12.5x52.5	50	1	1.75	UV-238	IR-238	OG-238
	45x12.5x52.5	100	1	3.5	UV-239	IR-239	OG-239
	45x12.5x7.5	5	2	0.35	UV-243	IR-243	OG-243
	45x12.5x12.5	10	2	0.7	UV-244	IR-244	OG-244
	45x12.5x22.5	20	2	1.4	UV-245	IR-245	OG-245
	45x12.5x32.5	30	2	2.1	UV-246	IR-246	OG-246
	45x12.5x42.5	40	2	2.8	UV-247	IR-247	OG-247
	45x12.5x52.5	50	2	3.5	UV-248	IR-248	OG-248
	45x12.5x52.5	100	2	7.0	UV-249	IR-249	OG-249
	45x12.5x7.5	5	3	0.5	UV-253	IR-253	OG-253
	45x12.5x12.5	10	3	1	UV-254	IR-254	OG-254
	45x12.5x22.5	20	3	2.1	UV-255	IR-255	OG-255
	45x12.5x32.5	30	3	3.15	UV-256	IR-256	OG-256
	45x12.5x42.5	40	3	4.2	UV-257	IR-257	OG-257
	45x12.5x52.5	50	3	5.25	UV-258	IR-258	OG-258
45x12.5x52.5	100	3	10.5	UV-259	IR-259	OG-259	

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Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
					UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 <u>Micro cells with frosted walls and stopper</u>	45x12.5x7.5	5	1	0.17	UV-373	IR-373	OG-373
	45x12.5x12.5	10	1	0.35	UV-374	IR-374	OG-374
	45x12.5x22.5	20	1	0.7	UV-375	IR-375	OG-375
	45x12.5x32.5	30	1	1	UV-376	IR-376	OG-376
	45x12.5x42.5	40	1	1.4	UV-377	IR-377	OG-377
	45x12.5x52.5	50	1	1.75	UV-378	IR-378	OG-378
	45x12.5x102.5	100	1	3.5	UV-379	IR-379	OG-379
	45x12.5x7.5	5	2	0.35	UV-283	IR-283	OG-283
	45x12.5x12.5	10	2	0.7	UV-284	IR-284	OG-284
	45x12.5x22.5	20	2	1.4	UV-285	IR-285	OG-285
	45x12.5x32.5	30	2	2.1	UV-286	IR-286	OG-286
	45x12.5x42.5	40	2	2.8	UV-287	IR-287	OG-287
	45x12.5x52.5	50	2	3.5	UV-288	IR-288	OG-288
	45x12.5x102.5	100	2	7.0	UV-289	IR-289	OG-289
	45x12.5x7.5	5	3	0.5	UV-383	IR-383	OG-383
	45x12.5x12.5	10	3	1	UV-384	IR-384	OG-384
	45x12.5x22.5	20	3	2.1	UV-385	IR-385	OG-385
	45x12.5x32.5	30	3	3.15	UV-386	IR-386	OG-386
	45x12.5x42.5	40	3	4.2	UV-387	IR-387	OG-387
	45x12.5x52.5	50	3	5.25	UV-388	IR-388	OG-388
45x12.5x102.5	100	3	10.5	UV-389	IR-389	OG-389	
 <u>Micro cells with frosted walls and lid</u>	25x12.5x12.5	10	1	0.15	UV-464	IR-464	OG-464
	25x12.5x12.5	10	2	0.3	UV-474	IR-474	OG-474
	25x12.5x12.5	10	3	0.45	UV-484	IR-484	OG-484
	25x12.5x12.5	10	4	0.60	UV-494	IR-494	OG-494

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Semi-Micro cuvettes

Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number			
					UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm	
	45x12.5x7.5	5	4	0.7	UV-23	IR-23	OG-23	
	45x12.5x12.5	10	4	1.4	UV-24	IR-24	OG-24	
	45x12.5x22.5	20	4	2.8	UV-25	IR-25	OG-25	
	45x12.5x32.5	30	4	4.2	UV-26	IR-26	OG-26	
	45x12.5x42.5	40	4	5.6	UV-27	IR-27	OG-27	
	45x12.5x52.5	50	4	7	UV-28	IR-28	OG-28	
	45x12.5x102.5	100	4	14	UV-29	IR-29	OG-29	
	45x12.5x7.5	5	5	0.85	UV-143	IR-143	OG-143	
	45x12.5x12.5	10	5	1.75	UV-144	IR-144	OG-144	
	45x12.5x22.5	20	5	3.5	UV-145	IR-145	OG-145	
<u>Semi-Micro cells with black walls and lid</u>	45x12.5x32.5	30	5	5.25	UV-146	IR-146	OG-146	
	45x12.5x42.5	40	5	7	UV-147	IR-147	OG-147	
	45x12.5x52.5	50	5	8.75	UV-148	IR-148	OG-148	
	45x12.5x102.5	100	5	17.5	UV-149	IR-149	OG-149	
		45x12.5x7.5	5	4	0.7	UV-33	IR-33	OG-33
		45x12.5x12.5	10	4	1.4	UV-34	IR-34	OG-34
		45x12.5x22.5	20	4	2.8	UV-35	IR-35	OG-35
		45x12.5x32.5	30	4	4.2	UV-36	IR-36	OG-36
45x12.5x42.5		40	4	5.6	UV-37	IR-37	OG-37	
45x12.5x52.5		50	4	7	UV-38	IR-38	OG-38	
45x12.5x102.5		100	4	14	UV-39	IR-39	OG-39	
<u>Semi-Micro cells with black walls and stopper</u>								


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Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
					UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 <u>Semi-Micro cell with frosted walls and lid</u>	45x12.5x7.5	5	4	0.7	UV-263	IR-263	OG-263
	45x12.5x12.5	10	4	1.4	UV-264	IR-264	OG-264
	45x12.5x22.5	20	4	2.8	UV-265	IR-265	OG-265
	45x12.5x32.5	30	4	4.2	UV-266	IR-266	OG-266
	45x12.5x42.5	40	4	5.6	UV-267	IR-267	OG-267
	45x12.5x52.5	50	4	7	UV-268	IR-268	OG-268
	45x12.5x52.5	100	4	14	UV-269	IR-269	OG-269
	45x12.5x7.5	5	5	0.85	UV-273	IR-273	OG-273
	45x12.5x12.5	10	5	1.75	UV-274	IR-274	OG-274
	45x12.5x22.5	20	5	3.5	UV-275	IR-275	OG-275
	45x12.5x32.5	30	5	5.25	UV-276	IR-276	OG-276
	45x12.5x42.5	40	5	7	UV-277	IR-277	OG-277
	45x12.5x52.5	50	5	8.75	UV-278	IR-278	OG-278
	45x12.5x52.5	100	5	17.5	UV-279	IR-279	OG-279
 <u>Semi-Micro cells with frosted walls and stopper</u>	45x12.5x7.5	5	4	0.7	UV-293	IR-293	OG-293
	45x12.5x12.5	10	4	1.4	UV-294	IR-294	OG-294
	45x12.5x22.5	20	4	2.8	UV-295	IR-295	OG-295
	45x12.5x32.5	30	4	4.2	UV-296	IR-296	OG-296
	45x12.5x42.5	40	4	5.6	UV-297	IR-297	OG-297
	45x12.5x52.5	50	4	7	UV-298	IR-298	OG-298
	45x12.5x102.5	100	4	14.0	UV-299	IR-299	OG-299
	45x12.5x7.5	5	5	0.85	UV-393	IR-393	OG-393
	45x12.5x12.5	10	5	1.7	UV-394	IR-394	OG-394
	45x12.5x22.5	20	5	3.5	UV-395	IR-395	OG-395
	45x12.5x32.5	30	5	5.2	UV-396	IR-396	OG-396
	45x12.5x42.5	40	5	7.0	UV-397	IR-397	OG-397
	45x12.5x52.5	50	5	8.75	UV-398	IR-398	OG-398
	45x12.5x102.5	100	5	17.5	UV-399	IR-399	OG-399

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Sub-Micro cuvettes




Z Dimension (Zd) :Z=8.5mm,or Z=15mm, or custom size

Picture and Name	Outside Dim HxWxD mm	Light Path mm	Inside Width mm	Volume ml	Product Number		
					UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 Sub-Micro cells with black walls and lid/stopper	45x12.5x12.5	5	1	0.05			
	45x12.5x12.5	5	2	0.1			
	45x12.5x12.5	5	4	0.2			
	45x12.5x12.5	10	1	0.1			
	45x12.5x12.5	10	2	0.2			
	45x12.5x12.5	10	4	0.4			




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Self masking flow cuvettes



Z Dimension (Zd) :Z=8.5mm,or Z=15mm

Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
					UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
	45x12.5x12.5	10	Φ1.5	0.018	UV-70	IR-70	OG-70
	45x12.5x7.5	5	Φ2	0.015	UV-67	IR-67	OG-67
	45x12.5x12.5	10	Φ2	0.03	UV-68	IR-68	OG-68
	45x12.5x22.5	20	Φ2	0.06	UV-69	IR-69	OG-69
	45x12.5x7.5	5	Φ3	0.035	UV-63	IR-63	OG-63
	45x12.5x12.5	10	Φ3	0.07	UV-64	IR-64	OG-64
	45x12.5x22.5	20	Φ3	0.14	UV-65	IR-65	OG-65
	45x12.5x32.5	30	Φ3	0.21	UV-66	IR-66	OG-66
	45x12.5x7.5	5	4x12	0.24	UV-73	IR-73	OG-73
	45x12.5x12.5	10	4x12	0.48	UV-74	IR-74	OG-74
	45x12.5x22.5	20	4x12	1.0	UV-75	IR-75	OG-75
	45x12.5x32.5	30	4x12	1.5	UV-76	IR-76	OG-76
	45x12.5x7.5	5	2x12	0.12	UV-79	IR-79	OG-79
	45x12.5x12.5	10	Φ1	0.01	UV-154	IR-154	OG-154
	45x12.5x22.5	20	Φ1	0.016	UV-155	IR-155	OG-155
	45x12.5x32.5	30	Φ1	0.025	UV-156	IR-156	OG-156
	45x12.5x12.5	10	Φ1.5	0.018	UV-164	IR-164	OG-164
	45x12.5x22.5	20	Φ1.5	0.036	UV-165	IR-165	OG-165
	45x12.5x32.5	30	Φ1.5	0.055	UV-166	IR-166	OG-166
	45x12.5x12.5	10	Φ2	0.03	UV-174	IR-174	OG-174
	45x12.5x22.5	20	Φ2	0.06	UV-175	IR-175	OG-175
	45x12.5x32.5	30	Φ2	0.09	UV-176	IR-176	OG-176

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Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
					UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 <p><u>Self masking flow cells</u></p>	15x12.4x12.4	10	φ2	0.03	UV-604	IR-604	OG-604
 <p><u>Self masking flow cells</u></p>	35x12.4x12.4	10	φ2	0.03	UV-614	IR-614	OG-614
 <p><u>Self masking flow cu- vettes</u></p>	34x12.5x12.5	10	φ2	0.03	UV-624	IR-624	OG-624



Cylindrical cuvettes

Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
					UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 <p><u>Cylindrical cell one stopper</u></p>	φ22x12.5	10	φ19	2.8	UV-95	IR-95	OG-95
	φ22x22.5	20	φ19	5.7	UV-96	IR-96	OG-96
	φ22x52.5	50	φ19	14.0	UV-97	IR-97	OG-97
	φ22x102.5	100	φ19	28	UV-98	IR-98	OG-98
 <p><u>Cylindrical cell</u></p>	φ22x12.5	10	φ19	2.8	UV-85	IR-85	OG-85
	φ22x22.5	20	φ19	5.7	UV-86	IR-86	OG-86
	φ22x52.5	50	φ19	14.0	UV-87	IR-87	OG-87
	φ22x102.5	100	φ19	28	UV-88	IR-88	OG-88

Fluorometer cuvettes


Fluorometer cuvettes are those cuvettes which at least have four windows polished, or even more.

Standard fluorometer cuvettes


Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
					UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 Standard fluorometer cuvettes with lid	45x12.5x7.5	5	10	1.7	UV-203	IR-203	OG-203
	45x12.5x12.5	10	10	3.5	UV-204	IR-204	OG-204
	45x12.5x22.5	20	10	7	UV-205	IR-205	OG-205
	45x12.5x32.5	30	10	10.5	UV-206	IR-206	OG-206
	45x12.5x42.5	40	10	14	UV-207	IR-207	OG-207
	45x12.5x52.5	50	10	17.5	UV-208	IR-208	OG-208
	45x12.5x102.5	100	10	35.0	UV-209	IR-209	OG-209
 Standard fluorometer cuvettes with stopper	45x12.5x7.5	5	10	1.7	UV-213	IR-213	OG-213
	45x12.5x12.5	10	10	3.5	UV-214	IR-214	OG-214
	45x12.5x22.5	20	10	7	UV-215	IR-215	OG-215
	45x12.5x32.5	30	10	10.5	UV-216	IR-216	OG-216
	45x12.5x42.5	40	10	14	UV-217	IR-217	OG-217
	45x12.5x52.5	50	10	17.5	UV-218	IR-218	OG-218
	45x12.5x102.5	100	10	35.0	UV-219	IR-219	OG-219

BSDLab Cells offer full line of quartz and glass cuvettes with best quality and affordable price

Micro/ Semi-micro fluorometer cuvettes


Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
					UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
	45x12.5x12.5	10	1	0.35	UV-504	IR-504	OG-504
	45x12.5x12.5	10	2	0.7	UV-514	IR-514	OG-514
	45x12.5x12.5	10	3	1	UV-524	IR-524	OG-524
	45x12.5x12.5	10	4	1.4	UV-534	IR-534	OG-534
	45x12.5x12.5	10	5	1.7	UV-544	IR-544	OG-544

[Micro fluorometer cuvettes with lid](#)

Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
					UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
	45x12.5x12.5	10	1	0.35	UV-554	IR-554	OG-554
	45x12.5x12.5	10	2	0.7	UV-564	IR-564	OG-564
	45x12.5x12.5	10	3	1	UV-574	IR-574	OG-574
	45x12.5x12.5	10	4	1.4	UV-584	IR-584	OG-584
	45x12.5x12.5	10	5	1.7	UV-594	IR-594	OG-594


[Micro fluorometer cuvettes with stopper](#)

Semi-Micro fluorometer cuvettes

Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number		
					UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
	45x12.5x7.5	5	4	0.7			
	45x12.5x12.5	10	4	1.4			
	45x12.5x22.5	20	4	2.8			
	45x12.5x32.5	30	4	4.2			
	45x12.5x42.5	40	4	5.6			
	45x12.5x52.5	50	4	7			
	45x12.5x7.5	5	5	0.85			
	45x12.5x12.5	10	5	1.75			
	45x12.5x22.5	20	5	3.5			
	45x12.5x32.5	30	5	5.25			
	45x12.5x42.5	40	5	7			
45x12.5x52.5	50	5	8.75				


[Semi-Micro fluorometer cuvettes with lid](#)

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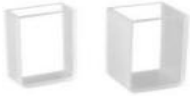
 <p>Semi-Micro fluorometer cuvettes with stopper</p>	25x12.5x7.5	5	4	0.7		
	25x12.5x12.5	10	4	1.4		
	25x12.5x22.5	20	4	2.8		
	25x12.5x32.5	30	4	4.2		
	25x12.5x42.5	40	4	5.6		
	25x12.5x52.5	50	4	7		
	25x12.5x7.5	5	5	0.85		
	25x12.5x12.5	10	5	1.75		
	25x12.5x22.5	20	5	3.5		
	25x12.5x32.5	30	5	5.25		
	25x12.5x42.5	40	5	7		
	25x12.5x52.5	50	5	8.75		

Sub-Micro fluorometer cuvettes

Z Dimension (Zd) : Z=8.5mm, or Z=15mm, or custom size

Picture and Name	Outside Dim HxWxD mm	Light Path mm	Inside Width mm	Volume ml	Product Number		
					UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 <p>Sub-Micro fluorometer cuvettes with lid</p>	45x12.5x12.5	5	1	0.05			
	45x12.5x12.5	5	2	0.1			
	45x12.5x12.5	5	4	0.2			
	45x12.5x12.5	10	1	0.1			
	45x12.5x12.5	10	2	0.2			
	45x12.5x12.5	10	4	0.4			

Other cuvettes




Picture and Name	Outside Dim HxWxD mm	Light Path mm	Inside Width mm	Volume ml	Product Number		
					UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
 <p>Absorptiometer rectangular</p>	40x28x6.5	2.5	25	2.2	UV-682	IR-682	OG-682
	40x28x9	5	25	4.4	UV-683	IR-683	OG-683
	40x28x14	10	25	8.8	UV-684	IR-684	OG-684
	40x28x24	20	25	17.5	UV-685	IR-685	OG-685
	40x28x44	40	25	35.0	UV-686	IR-686	OG-686
	40x28x54	50	25	43.8	UV-687	IR-687	OG-687
	40x28x104	100	25	87.5	UV-688	IR-688	OG-688
	40x28x204	200	25	175	UV-689	IR-689	OG-689

Product Number

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Picture and Name	Outside Dim HxWxD mm	Light Path	Inside Width	Volume	UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass
	40x20x10.4	6.35	16	3.5	UV-321	IR-321	OG-321
	40x20x16.7	12.7	16	7.1	UV-322	IR-322	OG-322
	40x20x29.4	25.4	16	14.2	UV-323	IR-323	OG-323
	40x20x54.8	50.8	16	28.4	UV-324	IR-324	OG-324
	40x20x137.4	133.35	16	74.6	UV-325	IR-325	OG-325
	40x20x14	10	16	5.6	UV-326	IR-326	OG-326
	40x20x104	100	16	56	UV-327	IR-327	OG-327
Large cell							
	22.5x25x25	20	20	6.0	UV-751	IR-751	OG-751
	32.5x35x35	30	30	22.5	UV-752	IR-752	OG-752
	42.5x45x45	40	40	56.0	UV-753	IR-753	OG-753
	52.5x55x55	50	50	112.5	UV-754	IR-754	OG-754
Large cell							
	45x12.5x12.5	10	10	3.5	UV-704	IR-704	OG-704
	Tube OD 8mm						
	Hight 120mm						
Rectangular with graded seal							
	45x12.5x12.5	10	10	3.5	UV-714	IR-714	OG-714
	Tube OD 8mm						
	Hight 120mm						
Fluorimeter rectangular with graded seal							

BSDLab Cells offer full line of quartz and glass cuvettes with best quality and affordable price

Picture and Name	Outside Dim HxWxD mm	Light Path mm	Inside Width mm	Volume ml	Product Number		
					UV Quartz Glass 190nm-2500nm	IR Quartz Glass 250nm-3500nm	Optical Glass 340nm-2500nm
	Φ22x3.5	1	Φ19	0.28	UV-721	IR-721	OG-721
	Φ22x4.5	2	Φ19	0.56	UV-722	IR-722	OG-722
	Φ22x7.5	5	Φ19	1.4	UV-723	IR-723	OG-723
	Φ22x12.5	10	Φ19	2.8	UV-724	IR-724	OG-724
	Φ22x22.5	20	Φ19	5.6	UV-725	IR-725	OG-725
	Φ22x32.5	30	Φ19	8.4	UV-726	IR-726	OG-726
	Φ22x42.5	40	Φ19	11.2	UV-727	IR-727	OG-727
	Φ22x52.5	50	Φ19	14.0	UV-728	IR-728	OG-728
	Φ22x102.5	100	Φ19	28.0	UV-729	IR-729	OG-729
	φ34x25			12.0	UV-731	IR-731	OG-731
	φ50x30			32.0	UV-732	IR-732	OG-732
	φ60x40.5			73.0	UV-733	IR-733	OG-733
Cells for reflection measurements							
	56X12.5X12.5	10	10	3.5	UV-744	IR-744	OG-744
Rectangular with screw cap							

Plastic cuvettes

Can be used for only one time. No lid or stopper.

Picture and Name	Outside Dim HxWxD mm	Path Length mm	Inside Width mm	Volume ml	Product Number
					Plastic Material
Plastic cell	45x12.5x12.5	10	10	3.5	

source&Help

How can I find the right cells?

Firstly you can surf our website <http://www.bsdlab.com> to download the catalogs (PDF) and read with an Adobe Acrobat reader. Also you can contact us directly by email and tell us your request.

Please know that "we offer full line of quartz and glass cuvettes with best quality and affordable price".

What does the ES stand for?

1. ES stands for Extrasil. This is our special quartz that our factory produces.
2. ES stands for a synthetic quartz with little to no impurities.
3. ES quartz is also a Suprasil equivalent.
4. We mainly use ES quartz as UV quartz. For us, ES quartz is UV quartz, the usable range is 190-2500nm.

Are your cells matched?

Sure! All of our glass, ES/UV Quartz, and IR Quartz cells come automatically matched. Whether you order 2 cells or 30 cells, all cells will be matched.

Will your cuvettes work in my instruments?

Most of our cuvettes are designed to fit into a standard cell holder which is 12.5x12.5mm. It is the best to measure the cuvette holder in your machine and see what the dimensions are. We also have many different cuvettes available for you to choose. So if your holder is not standard one, you can contact us and we will be happy to assist you in choosing the correct cuvette for your instrument.

Can you manufacture custom cuvettes?

Yes! We offer a full line of quartz and glass cells for use in UV/Visible the Spectrometer, Spectrophotometer, Colorimeter, Tintometer, Fluorometer and other instruments. Also we offer cuvette custom service. We can help you through every stage of the production process.

The only information we need to get started with making a custom cuvette is rough sketch that specifies the following:

1. All relevant dimension and dimension tolerances (If tolerances are not provided, we will use our standard tolerances)
2. Which surfaces need to be polished.
3. Quantities required.
4. Deadline for quotation and/or manufacturing, if applicable.

We do not accept responsibility for any dimension not explicitly provided by the customer.

do I clean my cuvettes?

Firstly, we should know the importance of cleaning the cuvettes. Cleaning cells is the foundation of any spectrophotometer or Fluor metric analysis. The residue from previous analysis will cause inaccuracies, low sensitivity and lack of precision. More important, it will waste your time! Also inspect the condition of the cells. If they are cracked, chipped or scratched it is important to replace the cells with new ones as your time is more valuable than the cost of new cells.

The table below will give you some suggestions for cleaning:

Solvent	Material	Suggested Cleaning Methods
Aqueous	Protein,DNA, Biologics	Warm water with detergent, Mild acid rinse, Copious water rinse
Aqueous	Salt solutions	Strong acid rinse, copious water rinse
Aqueous	Basic solutions	Warm water with detergent, Mild acid rinse, Copious water
Organic	Oil based	Rinse with solvent, Warm water with detergent, Mild acid rinse, Copious water rinse
Organic	Alcohol solutions	Rinse with solvent, Copious water rinse
Organic	Acidic solutions	Rinse with solvent, Copious water rinse
Organic	Basic solutions	Rinse with solvent, Mild acid rinse, Copious water rinse
Definitions:		
Mild Acid		Equalivent to 0.1mol/l HCl
Strong Acid		Equalivent to 1 mol/l HCl
Solvent rinse		Rinse with the solvent that solvated your sample in the first
Copious water rinse		Use a pure water like deionized, distilled or RO and rinse at least 10 times
Detergent		Use a neutral pH detergent if available but acid wash and water rinse to remove detergent residues
Ultrasonic Cleaners		We do not recommend the use of ultrasonic cleaning baths with cells. Each bath generates a different frequency and if your bath operates at the resonant frequency of a cell, the cell will break. We do not warranty our cells for cleaning in an ultrasonic cleaner.

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Place an Order

It is important that you provide the type Number, Material, and Light Path for each item you are ordering.

Guarantee	All of our products are guaranteed to perform as indicated in the catalog. If you are not satisfied, for any quality reason, please contact us within 15 days of receipt of your shipment for a return merchandise authorization.
How to Order	You can ask for quote or place the order online. You are always welcome to check current stock, delivery status or contact us with any questions.
Payment Terms	Delivery on Payment. For some standard products we can accept Online payment method(Paypal/Credit card). if you use Western union or Bank wire transfer, please ask for quote. If you have any questions, please don't hesitate to tell us. Thanks.
No Minimum Order	For the standard products, there is no MOQ. You can place order for 1pcs, or 100pcs. But the more cells you buy, the average shipping cost will be cheaper. If your request is special, then there is MOQ.
Shipping Policy	All order's shipping charges are added to your invoice. We mainly use express to delivery the orders. Of course, you can designate FedEx, DHL, UPS, TNT, EMS etc.
Pricing Policy	The price list for this cell catalog are currently at the time of publication (Based on our production costs and exchange rate of CNY and USD). We try to do our best to keep the price stable and competitive for the clients.
Discount Policy	If you order products over a certain amount, we will give the appropriate discount. If you become our distributors, we will provide more competitive wholesale prices. Just ask for quote, please.

Contact us

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