

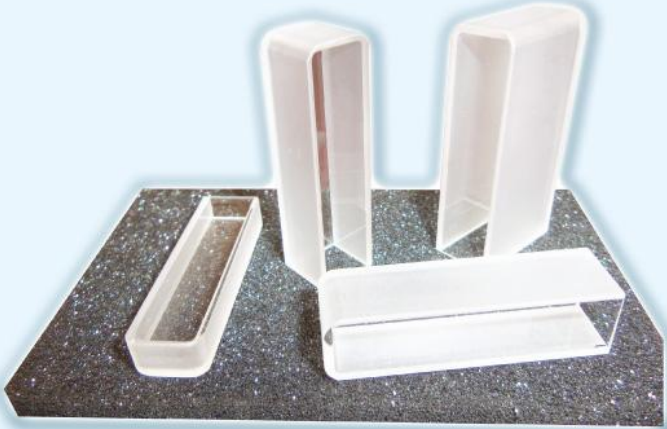


Spectrophotometer Cells

www.varsal.com

Varsal manufactures UV-VIS-NIR spectrophotometer cells and cuvettes, including micro-cells. Our unique fire-fused production technology assures long lasting, easy to clean, high performance cells.

Varsal cells can be used with all commonly used spectrophotometers to measure absorbance or transmission and they comply with all international standards. Depending on the spectral range to be analyzed, Varsal spectrophotometer cells are available in glass, optical glass, quartz and IR quartz. Our technical ability to produce cells that meet the demanding specifications of instrument manufacturers is only surpassed by Varsal's customer service and on-time delivery.



Varsal Benefit



Your Advantage

<p>Fire-Fused There are no seams or joints to lock in air. They can be cleaned repeatedly by ultra-sound with no damage to cell.</p>	<p>Easy to Clean and Long Life = Cost Savings</p>
<p>Built-in Quality All cells and cuvettes are 100% handcrafted and individually inspected.</p>	<p>Excellent Performance – Extremely Durable</p>
<p>Wide Selection We produce many types of cells and use both optical glass and Spectrosil™ quartz depending on the application and spectral range required for analysis.</p>	<p>One Source for all Your Spectrophotometer Cell Requirements</p>
<p>Identification Logos Let Varsal inscribe your cells to code for materials or to identify your company.</p>	<p>Personalized Cell Markings</p>
<p>Manufacturing Efficiency Our state-of-the-art facility and processes allow us to build cells most cost effectively.</p>	<p>Competitive Price</p>

The Total Varsal Advantage

We know the critical importance of optimizing light transmission in spectrophotometers as Varsal designs and manufactures a complete line of HPLC, AAS, Microwave Digestion instruments and spectroscopy consumables. Our engineers' knowledge of the optical, electrical and mechanical systems of spectrophotometers assures you our cells deliver long-lasting durability and superb performance. Let us be your source for spectrophotometer cells!

Specifications

Application	Code	Material	Wavelength Zone	% Transmission	Matching Tolerance
VIS	G	Optical Glass	200 to 800nm	>80% @ 360nm	Within 0.3% @ 360nm
UV-VIS	Q	Spectrosil™ Quartz	160 to 400nm	>80% @ 240nm	Within 0.3% @ 240nm
UV-VIS-NIR	I	Spectrosil™ Quartz	>800nm	>80% @ 2730nm	Within 0.3% @ 2730nm

Wide Selection of Spectrophotometer Cells

Varsal offers a complete listing of spectrophotometer cells by application, glass type, path length and capacity. Visit our website at www.varsal.com to see the full selection of available spectrophotometer cells.

Type	Description
1	Standard Rectangular
1GS	Rectangular w/ Graded Seal
3	Fluorimeter Rectangular
3GS	Fluorimeter Rectangular w/ Graded Seal
9	Semi-Micro Rectangular
9B	Semi-Micro Self Masking
9F	Semi-Micro Fluorimeter
17	Micro Short Rectangular
17B	Micro Short Self Masking
18	Micro w/ Lid
18B	Self Masking Micro
18F	Micro Fluorimeter

Type	Description
21	Standard Rectangular w/ Stopper
23	Fluorimeter Rectangular w/ Stopper
29	Semi Micro w/ Stopper
29B	Semi Micro w/ Stopper Self Masking
30	Micro w/ Stopper
30B	Micro w/ Stopper Self Masking
30F	Micro Fluorimeter with Stopper
32	Cylindrical Cell One Stopper
34	Cylindrical Cell Two Stoppers
34S	Cylindrical Cell w/ Screw Cap
37	Long Outlet Cylindrical
96	Absorptiometer Rectangular

Note: For all Type 1 cells with a 10mm path length, Varsal offers sets with 4 cells matched for transmittance <0.3%. This offer includes all glass types G, Q and I.