

SpecVette™ Specifications

Low volume, precision cuvettes for transmission measurements, the SpecVette offers an economical alternative to quartz cuvettes. Short path lengths: 250, 500 and 1000 μm , only require a few micro liters of sample solution (12, 25 and 50 μl). Nominal path lengths to +/- 10% – no parallax as found in molded cuvettes. Matched pathlength cuvettes can be produced for specific requirements, contact us.

PATHLENGTH (μm)	VOLUME (μL)
250	12
500	25
1000	50

MATERIALS:	UV TRANSPARENT WINDOWS (50 μM THICK COP), CAST ACRYLIC OR ABS BODY, BONDED WITH SILICONE ADHESIVE
	* NOT COMPATIBLE WITH ALIPHATIC OR AROMATIC SOLVENTS
	** COMPATIBLE WITH 95% ETHANOL, 5% DMSO, AND 70% ISOPROPYL ALCOHOL IN AQUEOUS SOLUTIONS
TRANSMISSION (NM):	220 TO 900 NM
HOW TO FILL:	USE A 20-200 μL BEVELED PIPETTE TIP
	FILL PIPETTOR WITH 10 – 50 μL OF SAMPLE
	PRESS BEVELED PIPETTE TIP INTO INLET
	HOLD PIPETTE TIP PERPENDICULAR TO SURFACE
	GENTLY PUSH THE FLUID INTO THE CUVETTE WITH PIPETTOR
	REMOVE TIP FROM PORT AND DISPENSE EXCESS SAMPLE
	FILL THE SECOND CHAMBER IF DESIRED (FLUID WILL NOT LEAK OUT OF THE CHAMBER ONCE FILLED)
	INSERT CUVETTE INTO 1 CM^2 ADAPTOR
	PLACE CUVETTE WITH ADAPTOR INTO SPECTROMETER AND MAKE THE MEASUREMENT
	REMOVE THE CUVETTE FROM ADAPTOR AND FILL THE OTHER CHAMBER, INSERT INTO ADAPTOR AND MEASURE.