

Technical Information

7000 Series Syringe Operating Parameters

7000 Series Modified Microliter Syringes

Volume		0.5 μ L	0.5 μ L	1 μ L	1 μ L	2 μ L	2 μ L	5 μ L
Model		7000.50C	7000.5	7001	7101	7002	7102	7105
Scale length, mm		60	60	60	60	60	60	60
Total scale divisions		100	100	100	100	100	100	100
Major graduations, μ L		0.05	0.05	0.1	0.1	0.2	0.2	0.5
Minor graduations, μ L		0.01	0.01	0.02	0.02	0.04	0.04	0.1
Sub-minor graduations, μ L		0.005	0.005	0.01	0.01	0.02	0.02	0.05
Maximum temperature	$^{\circ}$ C	115	115	115	115	115	115	115
	$^{\circ}$ F	239	239	239	239	239	239	239
Minimum temperature	$^{\circ}$ C	10	10	10	10	10	10	10
	$^{\circ}$ F	50	50	50	50	50	50	50
Maximum pressure rating	bars	414	414	414	414	414	414	414
	psig	6000	6000	6000	6000	6000	6000	6000
Standard needle gauge		32	25	25	22	25	23	24
Standard needle outer diameter (O.D.)	mm	0.235	0.515	0.515	0.718	0.515	0.642	0.566
	inches	0.0093	0.0203	0.0203	0.0283	0.0203	0.0253	0.0223
Standard needle inner diameter (I.D.)	mm	0.104	0.104	0.145	0.145	0.206	0.257	0.325
	inches	0.0041	0.0041	0.0057	0.0057	0.0081	0.0081	0.0128
Standard needle length	mm	100	70	70	70	70	70	70
	inches	3.94	2.75	2.75	2.75	2.75	2.75	2.75
Standard electro-taper		No	No	No	Yes	No	Yes	No
Standard needle dead volume, μ L		0	0	0	0	0	0	0