

Kangaroo™ Gravity Sets

Gravity Flow Rates for Selected Formulas



Large Bore Gravity Flow Rate Test

Conversion Factors
Ultracal = 1 mL/1.03 g | **Comply** 1 mL/1.0306 g | **Deliver** = 1 mL/1.0416 g

Standard Gravity Set Z8884702500

Description	Time (min)	Weight (grams)	mL	Flow Rate (mL/min)
Ultracal Formula				
Low Flow Rate				
Unit 1	2	1.66	1.61	0.81
Unit 2	2	2.98	2.89	1.45
Unit 3	2	3.02	2.93	1.47
Average	2	2.55	2.48	1.24
High Flow Rate				
Unit 1	2	32.87	31.91	15.96
Unit 2	2	31.70	30.78	15.39
Unit 3	2	31.94	31.01	15.50
Average	2	32.17	31.23	15.62
Comply Formula				
Low Flow Rate				
Unit 1	2	3.30	3.20	1.60
Unit 2	2	4.10	3.98	1.99
Unit 3	2	3.49	3.39	1.69
Average	2	3.63	3.52	1.76
High Flow Rate				
Unit 1	2	18.51	17.96	8.98
Unit 2	2	17.03	16.52	8.26
Unit 3	2	16.96	16.46	8.23
Average	2	17.50	16.98	8.49
Deliver Formula				
Low Flow Rate				
Unit 1	2	3.48	3.34	1.67
Unit 2	2	4.22	4.05	2.03
Unit 3	2	5.10	4.90	2.45
Average	2	4.27	4.10	2.05
High Flow Rate				
Unit 1	2	9.04	8.68	4.34

Reference

- P-4279-5 Row Rate Test Protocol
- T-4279-6 Row Rate Test Report
- P-4279-2 Volume Levels Test Protocol
- P-4279-3 Functional Pull Test Protocol
- T-4279-3 Functional Pull Test Report
- SOP-90-037-B Seal Strength RF Vinyl Seals Standard Operating Procedure
- P-4294-2 LB Functional pull test
- DID 4294-1 LB Design input document
- P-4294-1 Gravity flow rate test
- P-4294-3 LB Volume level marks

Large Bore Gravity Set Z702505

Description	Time (min)	Weight (grams)	mL	Flow Rate (mL/min)
Ultracal Formula				
Low Flow Rate				
Unit 1	2	67.13	65.16	5.73
High Flow Rate				
Unit 1	1	N/A	237	237
Comply Formula				
Low Flow Rate				
Unit 1	2	63.83	61.93	4.12
High Flow Rate				
Unit 1	1.08	N/A	237	237
Deliver Formula				
Low Flow Rate				
Unit 1	2	75.52	72.5	9.30
High Flow Rate				
Unit 1	1.92	N/A	237	123.65

	Gravity Set Z8884702500	Large Bore Z702505
Ultracal Formula		
Low Flow Rate	1.24 mL/min	5.73 mL/min
High Flow Rate	15.62 mL/min	237 mL/min
Comply Formula		
Low Flow Rate	1.76 mL/min	4.12 mL/min
High Flow Rate	8.49 mL/min	218.76 mL/min
Deliver Formula		
Low Flow Rate	2.05 mL/min	9.30 mL/min
High Flow Rate	3.81 mL/min	118 mL/min