

CALIBRATION OF FLOW RATES

The following is a list of cross-sectional areas of various syringes from different manufacturers. These sizes have some importance when using a syringe type pump, because the accuracy of the flow rate is determined by the cubic centimeters of fluid per unit length of syringe.

MULTIFIT

Syringe Size	Cross-Section
1 cc -	0.176 sq cm
2 cc -	0.626 sq cm
5 cc -	1.084 sq cm
10 cc -	1.692 sq cm
20 cc -	3.017 sq cm
30 cc -	4.047 sq cm
50 cc -	6.173 sq cm

STYLEX

Syringe Size	Cross-Section
1 cc -	
2 cc -	0.716 sq cm
5 cc -	1.212 sq cm
10 cc -	2.018 sq cm
20 cc -	2.888 sq cm
30 cc -	3.987 sq cm
50 cc -	6.413 sq cm

MONOJECT

Syringe Size	Cross-Section
1 cc -	0.173 sq cm
3 cc -	0.622 sq cm
6 cc -	1.263 sq cm
12 cc -	1.977 sq cm
20 cc -	3.308 sq cm
35 cc -	4.474 sq cm
60 cc -	5.545 sq cm

PLASTIPAK

Syringe Size	Cross-Section
1 cc -	0.173 sq cm
2.5 cc -	0.578 sq cm
5 cc -	1.129 sq cm
10 cc -	1.635 sq cm
20 cc -	2.850 sq cm
30 cc -	3.662 sq cm
50 cc -	5.556 sq cm

TERUMO

Syringe Size	Cross-Section
1 cc -	0.175 sq cm
2.5 cc -	0.640 sq cm
10 cc -	1.947 sq cm
35 cc -	4.174 sq cm
60 cc -	6.673 sq cm

BURRON

Syringe Size	Cross-Section
1 cc -	0.184 sq cm
3 cc -	0.712 sq cm
5 cc -	1.197 sq cm
10 cc -	1.840 sq cm
20 cc -	3.247 sq cm
30 cc -	4.831 sq cm
60 cc -	7.159 sq cm

HAMILTON

Syringe Size	Cross-Section
0.05 cc -	0.008 sq cm
.10 cc -	0.017 sq cm
.25 cc -	0.042 sq cm
.50 cc -	0.083 sq cm
1 cc -	0.167 sq cm
2.5 cc -	0.417 sq cm
5 cc -	0.833 sq cm
10 cc -	1.667 sq cm

UNIMETRICS

Syringe Size	Cross-Section
0.05 cc -	0.008 sq cm
.10 cc -	0.017 sq cm
.25 cc -	0.042 sq cm
.50 cc -	0.083 sq cm
1 cc -	0.167 sq cm

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Braintree Scientific Inc., P.O. Box 850929 - Braintree, MA 02185-0929

Phone: 781-843-2202 Fax: 781-843-7932 or 781-982-3160 (Technical Support)

E-mail: info@braintreesci.com www.braintreesci.com