

Sample Application

TLC Autospotter™



TLC Autospotter™ is a semi-automated device used to apply up to 18 samples on a TLC plate at a time. The unit has been designed for use TLC syringes with blunt Teflon tipped needles. These special needles minimize sample “creep back” and enhance reproducibility. The syringes also feature Teflon plunger tips to help eliminate the problem of metal-to-glass contamination. Syringes are available in 10, 25, 50, 100 and 250µL volumes.

The device can apply samples at variable rates ranging from 3min (fastest speed) to 30min (slowest speed.) An intergral heater strip runs beneath the TLC plate at the point of sample delivery to aid in solvent evaporation. By adjusting the delivery rate and temperature of the heater strip, the smallest possible sample zone can be obtained.

TLC Spotting Guide

Spotting Guide may be used with plates up to 20x20 cm. The guide rests above the surface of the plate without contacting the adsorbent layer, avoiding damage to the layer. It accurately positions micropipettes and syringes, even when the plate is removed for drying between applications. The metric scale on the Spotting Guide facilitates reading of Rf values. Standard area circles of 3-255mm² aid in estimating spot sizes.



Ordering Information		
Description	QTY	Part No.
TLC Autospotter™		
TLC Autospotter™, 230V (w/o syringes)	1	0801-1011
Autospotter Scored Adapter Kit	1	0801-1021
Autospotter Channeled Adapter Kit	1	0801-1031
10µL Syringe	1	0801-1041
25µL Syringe	1	0801-1051
50µL Syringe	1	0801-1061
100µL Syringe	1	0801-1071
250µL Syringe	1	0801-1081
TLC Spotting Guide		
TLC Spotting Guide	1	0801-1091

Drummond® Microcaps

The Drummond® Microcap gives accurate of ±1% and reproducible TLC plate spotting. Precision bore glass capillary tubes are cut to predetermined length so that each tube will hold a know volume when filled. The tube fills by capillary action and is dispensed completely by squeezing the dispenser bulb. Bulb is included with the unit



Drummond® Wiretrol Micropipettes

- Provides the accuracy and high speed action.
- Unique combination of a disposable precision bore calibrated micropipet and a stainless steel plunger.
- Accept both high and low viscosity liquids.



Disposable Glass Micropipettes

- For rapid qualitative sample application on TLC plates.
- Thick walls, strong and easy to handle.
- 3 inches length, capacity 2-8µL.

Ordering Information		
Description	QTY	Part No.
Drummond® Microcap		
0.5µL	100	0801-7017
1.0µL	100	0801-7027
2.0µL	100	0801-7037
3.0µL	100	0801-7047
5.0µL	100	0801-7057
10.0µL	100	0801-7067
15.0µL	100	0801-7077
20.0µL	100	0801-7087
25.0µL	100	0801-7097
50.0µL	100	0801-7107
100.0µL	100	0801-7117
Bulb Dispensor	5	0801-7122
Drummond® Wiretrol		
1.0 to 5.0 µL (Calibrated)	100	0801-7137
3.0µL	100	0801-7147
5.0µL	100	0801-7157
10.0µL	100	0801-7167
20.0µL	100	0801-7177
25.0µL	100	0801-7187
50.0µL	100	0801-7197
100.0µL	100	0801-7207
Disposable Glass Micropipettes		
Glass Micropipettes	200	0801-6018
	1000	0801-6019