

# Sample Application

## NANOCAP™ Kit for HPTLC

Catalog# 21-00

High Performance TLC methods require application of sub-microliter sample volumes to the TLC plate. Previously available devices for accurate measurement of such small samples have been either very expensive or severely limited in accuracy and precision. The Analtech NANOCAP Kit provides an inexpensive means of spotting sub-microliter samples for HPTLC. Accuracy and reproducibility are within 1%.

The NANOCAP Kit includes a special Applicator Clamp, complete instructions for applying sub-microliter samples, and 100 NANOCAPS of each size—100, 200, and 500 nanoliters. Also included are a TLC Spotting Guide and our Utility Rack.

## MICROCAP™ Kit for TLC

Catalog# 22-00

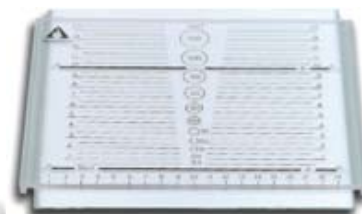
This new addition to the family of Analtech sample application equipment is a great bargain. This kit includes a special Applicator Clamp, 100 capillaries each of three sizes (0.5 $\mu$ L, 1.0 $\mu$ L, 2.0 $\mu$ L), the TLC Spotting Guide, and our Utility Rack.

NOTE: Neither the NANOCAP nor the MICROCAP kit comes with TLC plates. Please look through our TLC UNIPLATES section for options.

## TLC Spotting Guide

Catalog# 25-00

Transparent Spotting Guide may be used with plates up to 20 x 20 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 R<sub>f</sub> values. Standard area circles of 3 to 255 mm<sup>2</sup> aid in estimating spot sizes.



25-00



## Calibrated Disposable Micropipettes

Calibrated end to end disposable glass micropipettes provide economical, precise measurement of TLC samples with better than 1% accuracy. The tubes are quickly filled by capillary action or with the spotting bulb. One spotting bulb is supplied with each vial of 100 micropipettes.

DESCRIPTION	CATALOG NO.
Micropipettes, 0.1 $\mu$ L	21-01
Micropipettes, 0.2 $\mu$ L	21-02
Micropipettes, 0.5 $\mu$ L	21-05
Micropipettes, 1.0 $\mu$ L	20-01
Micropipettes, 2.0 $\mu$ L	20-02
Micropipettes, 3.0 $\mu$ L	20-03
Micropipettes, 4.0 $\mu$ L	20-04
Micropipettes, 5.0 $\mu$ L	20-05
Micropipettes, 8.0 $\mu$ L	20-08
Micropipettes, 10.0 $\mu$ L	20-10
Micropipettes, 16.0 $\mu$ L	20-16
MICROPIPETTE ACCESSORIES	
Spotting Bulb Assy. (ea.)	20-99
Applicator Clamp	21-90
Capillary Holders (pkg/20)	21-91
Applicator Clamp Set (with 21-91)	21-99

NOTE: Capillary holders cannot be used without an Applicator Clamp or Spotting Bulb

## Graduated Disposable Micropipettes (pkg/250)

Catalog# 20-40

Economical capillary micropipettes with fire polished tips and calibration marks at 1,2,3,4, and 5 microliters. Accuracy is within 1%. Total length of each capillary is five inches for easy handling. A 15" aspirator tube with mouthpiece and 250 micropipettes are included with each package.

## Non-Calibrated Micropipettes (pkg/300)

Catalog# 20-13

These thin-bore capillary tubes are ideal for applying TLC samples when high accuracy and precision are not required. Sample volume is estimated visually. Full volume is approximately 9 $\mu$ L.

## Plastic Utility Rack

Catalog# 51-00A

This convenient and inexpensive plastic utility rack has 30 places to hold micropipette vials or test tubes up to 16mm in diameter. It makes storing all your micropipettes and associated applicators simple.

## TLC Test Dye Mixtures

Test Dye Mixtures assist in developing sample application and chromatographic proficiency. In addition, they provide readily visible chromatographic patterns for educational demonstrations. An instruction sheet included with each dye mixture identifies components and recommends solvents and developing conditions.

DESCRIPTION	CATALOG NO.
Dye Mixture I (for Silica Gel)	30-01
Dye Mixture II (for Cellulose)	30-02
Dye Mixture III (for Reversed Phase)	30-03
Dye Mixture IV (for Silica Gel)	30-04
Dye Mixture Set (one each of dye I-IV)	30-00
Rotor Test Dye (for Silica Gel)	30-00

NOTE: Approx. 40cc per jar



51-00A