

# CycloGraph™

## Centrifugal Chromatography Device



THINLAYER.COM

# Adventures in Separation Science



The CycloGraph system is a centrifugally accelerated device for performing preparative thin layer radial separations of up to 4 grams of sample.

The separations occur quickly with no need for scraping separated bands as with traditional Thin Layer Chromatography. Initial fractions are collected within 15-20 minutes.

The compound to be separated is applied as a solution inside the adsorbent ring of the pre-cast silica gel Rotor by way of the solvent pump or a hand held syringe.

The initial mobile phase is then pumped through the adsorbent layer. The components of the compound are effectively separated just as on a TLC plate using the sample mobile phase. As the individual component rings reach the outer rim of the Rotor they are spun off the edge of the glass and are collected via the port at the bottom of the annular chamber.

This method is less expensive and uses less solvent than flash chromatography.

### Key Features of the CycloGraph:

- \* Variable speed control (100-1400RPM)
- \* Integrated 4 watt UV lamp for hands-free viewing of separations
- \* Ultra quiet, variable speed Solvent Pump (0-15ml/min)
- \* Compatible with all common chromatography solvents including acetic acid
- \* Adjustable plane angle setting (0-45 degrees)