

Sorbtech TLC Spotting Guide Usage Instructions

Objective

To define how to use the Sorbtech TLC Spotting Guide.

Background

Spotting a TLC plate can often be irreproducible from plate to plate, this was designed to not only make spotting TLC plates easier, but highly reproducible. This spotting guide was specifically designed for 2.5cm wide plates.

Procedure

Equipment

- Pencil
- Sorbtech TLC Spotting Guide
- TLC Spotter and/or capillary tubes
- Sample Mix
- 2.5x7.5mm TLC plate, glass, plastic, or aluminum backed

Method

- 1) Slide the TLC plate into the first slot of the TLC spotter guide.
- 2) Using a pencil, draw a line at the point where the plate touches the top of the guide (Figure 2). Pencil line will be about 1cm up from the bottom of plate.
- 3) Place the TLC plate back into the guide to the lower line on the back, the pencil line will now line up with the spotting holes (Figure 3).
- 4) Spot the TLC plate by placing the TLC spotter in each of the holes of the guide.
- 5) Run your TLC plate once your spots are dry.



Figure 1 - The back of the guide (top photo) is indented with two steps as shown to allow for placement of the TLC plate for baseline drawing and spotting.



Figure 2 - Baseline is drawn at the top of the spotting guide where arrow is shown, the result is shown on the right.



Figure 3 - When placed in the lower indent, the baseline will line up with the guide holes, sample is spotted through the holes, and the TLC plate is ready to run.