

Blueprint records of thin-layer chromatograms

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SUMMARY A new source of blueprint paper for recording thin-layer chromatograms is reported.

KEY WORDS thin-layer chromatography · permanent record · blueprint paper

ZEITMAN (1) AND EISENBERG (2) have recommended the use of a dry-process photographic paper, developed by ammonia vapors, for making records of TLC chromatograms. The former author recommended a blueprint paper which is no longer being made. We recommend a similar paper, Ozalid 200SS, which can be obtained in 8½" × 11" sheets very economically from the Ozalid Reproduction Products Division, General Aniline & Film Corp., 140 W. 51st St., New York, N.Y., or from a local blueprint supplies dealer. This paper develops more conveniently (1), requiring only a minute or two at room temperature in a chromatography jar containing absorbent cotton moistened with concentrated ammonium hydroxide.

As a light source we recommend the recently introduced Glow-Box (Model 12-12D-2, Instruments for Research and Industry, Cheltenham, Pa.). The plastic diffuser plate is covered with a sheet of Saran Wrap to prevent scratching, the chromatogram is placed face up, the paper is placed yellow side down, and a glass plate is laid on the paper to keep it flat. An exposure of 7 min gives good spots with 0.25 mm Silica Gel G plates. Spots detected with alkaline bromothymol blue, a universal lipid detector, yield excellent prints.

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REFERENCES

1. Zeitman, B. B. *J. Lipid Res.* **5**: 628, 1964.
2. Eisenberg, Frank, Jr. *J. Chromatog.* **9**: 390, 1962.