

## TLC Sprayer

---

fine, uniform spray ideal for the development of chromatographic patterns

## TLC Spray Reagents

---

for easy visualization of the colorless components on a TLC plate



## LOBA TLC Spray Reagent

Spray reagents allow visualization of the colorless components on a TLC plate. These reagents are mixtures of chemicals that, when sprayed on the plate and allowed to react, will cause colorless compounds to change to colored compounds for easy detection.

A spray (visualization) reagent shows selectivity for a specific functional group or compound type.

It is an inherent advantage of TLC/HPTLC that all fractions remain stored on the plate and can be readily derivatized after chromatography. Substances that do not respond to visible or UV light can be rendered detectable. In many cases, substances or classes of substances can be identified by specific reagents, enabling their selective detection.

### LOBA TLC Spray Reagent Index

Acids organic	Bromocresol Green
Aldehydes	Fuchsine
Alkaloids	Dragendorff's; Iodoplatinate
Amines	Iodoplatinate; Ehrlich's; Ninhydrin
Amino acids & related compounds	Ninhydrin
Antioxidants	Phosphomolybdic acid
Barbiturates	Mercuric diphenylcarbazone
Flavanoids	Antimony trichloride
Glycopids	Bial's; Orcinol; Diphenylamine
Lipids	Antimony trichloride; Bial's; Orcinol; Bromothymol blue; Cupric acetate; 2,7-Dichlorofluorescein; Diphenylamine; Dragendorff's; Molybdenum blue; Ninhydrin; Potassium-Dichromate/H <sub>2</sub> SO <sub>4</sub> ; Rhodamine B; Rhodamine 6G
Phenols	Phosphomolybdic acid; Rhodamine B
Steroids	Antimony pentachloride; Antimony trichloride; Phosphomolybdic acid
Terpenes	Antimony pentachloride
Vitamins	Antimony pentachloride; Iodoplatinate
Charring Reagent	Potassium dichromate/H <sub>2</sub> SO <sub>4</sub>

Loba Chemie offerings with application and product code

A. Bromocresol Green Solution

For Detection of Acidic (pKA<5 groups)

02273 100 ml

C. Iodine Solution

Universal Reagent For Organic Compounds

4200E 100 ml

E. Potassium Permanganate Solution

For Detection of Olefins & readily  
Oxidized Groups

02273 100 ml

B. 2,4-Dinitrophenyl Hydrazine Solution

For Detection Of Aldehyde & Ketones

03474 100 ml

D. Ninhydrin Solution

For Detection of Amino Acids

4912D 100 ml

Please write at "[info@lobachemie.com](mailto:info@lobachemie.com)"  
to know our complete offerings

## LOBA TLC Sprayer

Loba TLC sprayer provide a fine, uniform spray that is optimized for the development of TLC plates. Loba TLC sprayer is compact, well-designed spray canister that delivers fine mist with CFC-free propellant. It permits control of reagent delivery, for even coverage and minimal waste.


### Key features of the TLC/HPTLC Sprayer

- Easy to use,
- Spray pressure: constant 4.4 bar
- Eco-friendly propellant mixture of dimethyl ether, propane and isobutane
- Homogenous distribution with low reagent consumption
- Easy to clean



The TLC Sprayer is based on simple technology where the aerosol compartment is situated above the reservoir. A small press of the lever lightly pressurises the lower glass reservoir releasing a fine mist of spray. Gas canister serves as handle; cap fits standard 38-400 thread reagent bottles.

### Safety Information

Symbol	GHS02 
Signal word	Danger
Hazard statements	H220
Precautionary statements	P210-P377-P381-P403
Personal Protective Equipment	Eyeshields, Gloves, half-mask respirator, multi-purpose combination respirator cartridge
RIDADR	UN 1950F 2.1
Flash Point(F)	-155.2 °F
Flash Point(C)	-104 °C

### Ordering Information

Product Name	Product Description	Product Code
TLC Sprayer	Sprayer for TLC reagent	TLCSB

Please contact your nearest Loba Chemie dealer or write to us at [info@lobachemie.com](mailto:info@lobachemie.com) or visit our website [www.lobachemie.com](http://www.lobachemie.com)