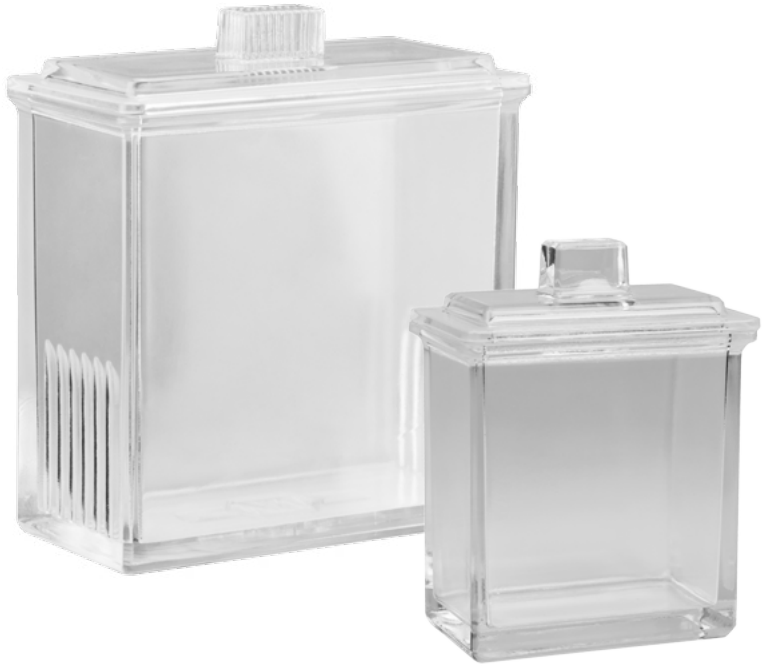
Accessories

- Beside ready-to-use layers for thin layer chromatography also accessories are required
- Selection of accessories for reliable separation in TLC

Ordering information

Designation	Pack of	REF
Simultaneous developing chamber for TLC, 20 x 20 cm	1	814019
Simultaneous developing chamber for TLC, 10 x 10 cm	1	814018
Developing chambers for TLC micro-sets	4	814021
Glass laboratory sprayer with rubber bulb	1	814101
Glass capillaries 1 µL	3 x 50	814022
Rubber caps for capillaries	2	814102
Plastic syringe, 1 mL content with graduation	1	814104
Spotting guides	2	814023
Measuring cylinders, glass, 10 mL content	2	814024
MN ALUGRAM® scissors, ground blade, black handle	1	818666
Filter paper MN 713, 15 x 21 cm	100	814103
Folded filters MN 615 1/4, 11 cm diameter	100	531011
Chromatography paper MN 260, 7.5 x 17 cm (for chamber saturation)	100	814030



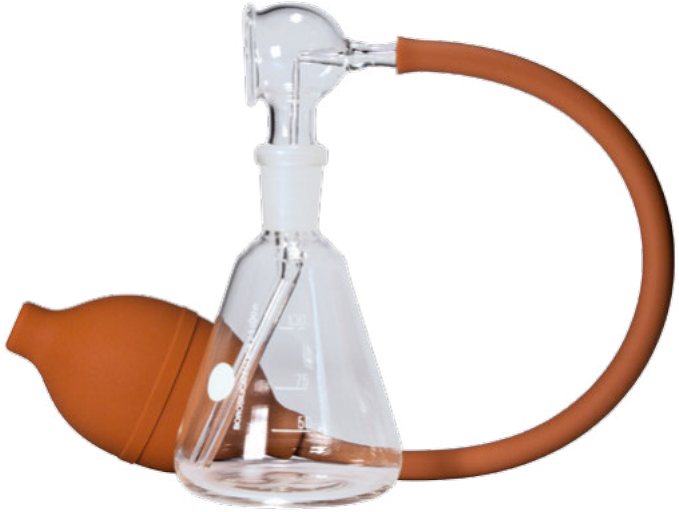
Visualization reagents

- Small selection of frequently used spray reagents for post chromatographic detection reactions in TLC suited for spraying or dipping TLC plates
- A detailed description of many more detection procedures for TLC is available on request

Ordering information

Spray reagent	Solvent	Detection of	Pack of	REF
Aniline phthalate	2-propanol – ethanol (1:1)	reducing sugars, oxohalic acids	100 mL	814919
Bromocresol green	2-propanol	organic acids	100 mL	814920
Reagent for caffeine detection	water – acetone	caffeine	100 mL	814401
2',7'-Dichlorofluorescein	2-propanol	lipids (saturated, unsaturated)	100 mL	814921
4-(Dimethylamino)-benzaldehyde	2-propanol	terpenes, sugars, steroids	100 mL	814922
Reagent according to Dragendorff-Munier	water	alkaloids and other nitrogen compounds	100 mL	814402
Iron(III) chloride	water	phenolic compounds e.g., acetylsalicylic acid, paracetamol	100 mL	814403
Potassium hexacyanoferrate(III)	water		100 mL	814404
Molybdatophosphoric acid	ethanol	lipids, sterols, steroids, reducing compounds	100 mL	814302
Ninhydrin	ethanol	amino acids, amines and amino sugars	100 mL	814203
Rhodamine B	ethanol	lipids	100 mL	814923
Rubeanic acid	ethanol	heavy metal cations	100 mL	814206

These products contain harmful substances which must be specially labeled as hazardous. For detailed information please see SDS.



Fluorescent indicators

UV indicators with efficient radiation for short-wave as well as long-wave UV ranges

- UV_{254}: manganese-activated zinc silicate with absorption maximum at 254 nm, green fluorescence, relatively susceptible towards acids: its fluorescence can be completely quenched by acidic solvents
- UV_{366}: inorganic fluorescent pigment with absorption maximum at 366 nm, blue fluorescence

Ordering information

	Composition	Absorption maximum	Color of fluorescence	Pack of 100 g
Fluorescent indicator UV_{254}	manganese-activated zinc silicate	254 nm	green	816710.01
Fluorescent indicator UV_{366}	inorganic fluorescent pigment	366 nm	blue	816720.01

Silica adsorbent for TLC

Pore size 60 Å, pore volume 0.75 mL/g, specific surface (BET) ~ 500 m^2/g, pH 7 for a 10 % aqueous suspension

- Silica G: standard grade, particle size 2–20 µm, Fe < 0.02 %, Cl < 0.02 %, 13 % gypsum as binder
- Silica N: standard grade, particle size 2–20 µm, Fe < 0.02 %, Cl < 0.02 %, no binder
- Silica G-HR: high purity grade, particle size 3–20 µm, Fe < 0.002 %, Cl < 0.008 %, gypsum as binder
- Silica P: preparative grade, particle size 5–50 µm, Fe < 0.02 %, Cl < 0.02 %, organic binder
- Silica P with gypsum: preparative grade, particle size 5–50 µm, Fe < 0.02 %, Cl < 0.02 %, gypsum as binder

Ordering information

Designation	Fluorescent indicator	1 kg	5 kg
Silica G	–	816310.1	816310.5
Silica G/UV_{254}	UV_{254}	816320.1	816320.5
Silica N	–	816330.1	816330.5
Silica N/UV_{254}	UV_{254}	816340.1	816340.5
Silica G-HR	–	816410.1	816410.5
Silica P/UV_{254}	UV_{254}	816380.1	816380.5
Silica P/UV_{254} with gypsums	UV_{254}	816400.1	816400.5

Polyamid adsorbent for TLC

Polyamide 6 = nylon 6 = perlon = ε-polycaprolactame

Ordering information

Designation	Fluorescent indicator	1 kg
Polyamid-DC 6	–	816610.1
Polyamid-DC 6 UV_{254}	UV_{254}	816620.1

Cellulose MN 301 native fibrous cellulose

- Standard grade, fiber length (95 %) 2–20 µm
- Average degree of polymerization 400–500, specific surface acc. to Blaine 15 000 cm^2/g
- ≤ 20 ppm Fe, 6 ppm Cu, 7 ppm P, CH_2Cl_2 extract ≤ 0.25 %, residue on ignition at 850 °C ≤ 1500 ppm

Ordering information

Designation	1 kg	5 kg
Cellulose MN 301	816250.1	816250.5