



HPTLC and GLP plates, silica gel 60, unmodified layers, glass backed



HPTLC plates, unmodified silica gel 60

This range of plates uses an optimised Merck silica gel 60 with a particle size of only 5 - 6 μm , which results in higher packing density and a smoother surface and therefore reduced band diffusion. Less sample is required, 0,1 to 0,5 μl than for classical TLC.

- Faster analysis, only 3 - 20 min for optimum separations
- 5 - 10 fold increased sensitivity compared to classical TLC
- Extra thin (100 μm) HPTLC automated multiple development (AMD) plates

HPTLC plates, concentrating zone

HPTLC concentrating zone plates that allow easy application of large volumes of diluted samples.

- Quick and easy sample application
- Includes a purification and concentration step

GLP plates

Laser coded GLP plates that are individually marked with item, batch and individual plate number. Based on the same proven Merck silica 60, GLP plates perform exactly as the corresponding TLC or HPTLC plates.

Description	Format (mm)	Thickness (μm)	Pk	Cat. No.
HPTLC silica gel 60	100×100	200	25	1.05631.0001
HPTLC silica gel 60	100×100	200	100	1.05633.0001
HPTLC silica gel 60	200×100	200	50	1.05641.0001
HPTLC silica gel 60 F254**	50×100	200	25	1.05616.0001
HPTLC silica gel 60 F254**	100×100	200	25	1.05628.0001
HPTLC silica gel 60 F254**	100×100	200	100	1.05629.0001
HPTLC silica gel 60 F254**	200×100	200	50	1.05642.0001
HPTLC silica gel 60 F254** AMD, extra thin	200×100	100	25	1.11764.0001
HPTLC silica gel 60 F254** with concentrating zone 25×50	50×100	200	25	1.13187.0001
HPTLC silica gel 60 F254** with concentrating zone 25×200 mm	200×100	200	50	1.13728.0001
HPTLC silica gel 60 F254** with concentrating zone 25×100 mm	100×100	200	25	1.13727.0001
HPTLC silica gel 60 F254s***	200×100	200	25	1.15696.0001
HPTLC silica gel 60 RP-18 F254s*** with concentrating zone 25×200 mm	200×100	200	25	1.15498.0001
HPTLC silica gel 60 W*RF254s***	200×100	200	25	1.15552.0001
HPTLC silica gel 60 W*RF254s*** AMD, extra thin	200×100	100	25	1.12363.0001
HPTLC silica gel 60 with concentrating zone 25×100 mm	100×100	200	25	1.13748.0001
HPTLC silica gel 60 with concentrating zone 25×200 mm	200×100	200	50	1.13749.0001
GLP silica gel 60 F254**	100×100	200	25	1.05564.0001
GLP silica gel 60 F254**	100×200	200	25	1.05613.0001

* W: wetttable with water

** F254: fluorescent indicator

*** F254s: acid stable fluorescent indicator



HPTLC and TLC plates, silica gel 60, MS-grade



Coupling TLC plates to mass spectrometry is a new field of high interest, which will contribute strongly to the progress of planar chromatography. The MS-grade plates are much cleaner than standard TLC/HPTLC plates providing higher sensitivity and reduced background signals. This allows trace analysis with mass spectrometry detection in lower nanogram range.

Description	Format (mm)	Thickness (μm)	Pk	Cat. No.
HPTLC silica gel 60 F254** MS-grade, 25 glass plates	200×100	100	25	1.00934.0001
TLC silica gel 60 F254** MS-grade, 25 glass plates	200×200	200	25	1.00933.0001

** F254: fluorescent indicator

*** F254s: acid stable fluorescent indicator