



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



TLC plates, unmodified silica gel 60

Merck silica gel 60 with a unique polymeric binder that results in a uniform and hard surface that will not easily crack or blister. The smooth and extremely dense plate coating ensures narrow bands and maximum separation efficiency with the lowest background noise

- Layer thickness 250 µm, particle size of 10 - 12 µm
- Two inorganic fluorescent indicators for UV detection of colourless substances

TLC plates, concentrating zone

These plates are based on different adsorption properties of two silica adsorbents: An inert large pore concentrating adsorbent where the samples are applied and a selective layer for the separation. Independent of the shape, size or position of the spots the sample always concentrates within seconds as a narrow band at the interface of the two adsorbents, where the separation begins.

- 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 gel 60, GLP plates perform exactly as the corresponding TLC or HPTLC plates.

Description	Format (mm)	Thickness (µm)	Pk	Cat. No.
TLC silica gel 60, unmodified	25x75	250	100	1.15326.0001
TLC silica gel 60, unmodified	50x200	250	100	1.05724.0001
TLC silica gel 60, unmodified	100x200	250	50	1.05626.0001
TLC silica gel 60, unmodified	200x200	250	25	1.05721.0001
TLC silica gel 60 F254**, unmodified	25x75	250	100	1.15327.0001
TLC silica gel 60 F254**, unmodified	25x75	250	500	1.15341.0001
TLC silica gel 60 F254**, unmodified	50x100	250	200	1.05719.0001
TLC silica gel 60 F254**, unmodified	50x100	250	25	1.05789.0001
TLC silica gel 60 F254**, unmodified	50x200	250	100	1.05714.0001
TLC silica gel 60 F254**, unmodified	50x200	250	25	1.05808.0001
TLC silica gel 60 F254**, unmodified	100x200	250	50	1.05729.0001
TLC silica gel 60 F254**, unmodified	200x200	250	25	1.05715.0001
TLC silica gel 60 F254** with concentrating zone	100x200	250	50	1.11846.0001
TLC silica gel 60 F254** with concentrating zone	200x200	250	25	1.11798.0001
TLC silica gel 60 W* F254s***, unmodified	200x200	250	25	1.16485.0001
TLC silica gel 60 with concentrating zone	100x200	250	50	1.11844.0001
TLC silica gel 60 with concentrating zone	200x200	250	25	1.11845.0001
GLP silica gel 60 F254**	100x200	250	25	1.05702.0001
GLP silica gel 60 F254**	200x200	250	25	1.05566.0001

* W: wettable with water

** F254: fluorescent indicator

*** F254s: acid stable fluorescent indicator



TLC plates, silica gel 60G, glass backed



Highly robust plates with gypsum as binder, fully compliant with international pharmacopoeia (Ph Eur and USP).

Traditionally, TLC monographs in the pharmacopoeia refer to products using silica G, containing gypsum as binder, or silica H with no foreign binder. There are about 200 monograph methods in the European Pharmacopoeia (Ph Eur) referring to these plates*. Fully compliant with international pharmacopoeia, these new TLC silica gel 60G plates are recommended for customers in QA/QC labs using older Ph Eur monograph methods, which require TLC plates with a gypsum binder and who do not wish to switch to classical Merck Millipore TLC plates with organic binders. Merck Millipore's classical TLC plates fulfill the performance test requirements of Ph Eur for G plates with gypsum, even though they use modern organic binders. Today, many customers routinely use these classical TLC plates in place of gypsum plates and indeed several monographs have been updated to officially confirm this change.

Description	Format (mm)	Thickness (µm)	Pk	Cat. No.
TLC silica gel 60G	200x200	250	25	1.00384.0001
TLC silica gel 60G F254**	200x200	250	25	1.00390.0001

* The United States Pharmacopoeia (USP) does not distinguish between TLC plates with gypsum or organic binder, thus Merck Millipore standard plates can always be used.

** F254: fluorescent indicator