

COMPASS

The COMPASS, a novel pre-screening kit for chromatographic silica gel selection from DAISOGEL, points you in the right direction so you can reach your stationary phase goals in the shortest time.

Choosing the right stationary phase for your new purification process is a crucial decision, as it may drive the economic feasibility of your entire API manufacturing process. With hundreds of scouting columns available to compare, column screening has become time consuming and inefficient.

DAISOGEL recognized this challenge and developed the COMPASS, a novel pre-screening kit. The COMPASS includes four columns – each packed with a unique, complementary bonded phase. The COMPASS allows you to quickly determine which direction you should take for optimized screening.

Four Steps to Efficient Process Development

1

PRE-SCREEN

Find your phase direction

Select your column size and particle size, then use the COMPASS kit to quickly determine the appropriate bonded phase for your separation.

2

CROSS-CHECK

Refer to our screening guide

Check our screening guide to direct you towards the appropriate DAISOGEL products to screen for your application based on the COMPASS results.

3

SCREEN

Compare various phases

Experimentally screen the chosen assortment of appropriate trial columns on your molecule.

4

SELECT

Choose the best solution

Select the best stationary phase based on your screening experiment results.

4

Bonded Phases of COMPASS

C18

OCTADECYL
BONDED PHASE

C8

OCTYL
BONDED PHASE

C4-Phenyl

BUTYL-PHENYL
BONDED PHASE

C4

NON-ENDCAPPED
BUTYL BONDED PHASE



Rapid COMPASS Kit

Column Size (mm)	Particle Size (μm)	Phases Included
2.0 x 100	3	SP-100-3-ODS-P
		SP-100-3-C8-PK
		SP-100-3-C4Ph-HP
		SP-100-3-C4-NP [†]
†Non-encapped		

Custom phases or column sizes are available upon request.

Standard COMPASS Kit

Column Size (mm)	Particle Size (μm)	Phases Included
4.6 x 150	8	SP-100-8-ODS-P
		SP-100-8-C8-PK
		SP-100-8-C4Ph-HP
		SP-100-8-C4-NP [†]
4.6 x 250	8	SP-100-8-ODS-P
		SP-100-8-C8-PK
		SP-100-8-C4Ph-HP
		SP-100-8-C4-NP [†]
†Non-endcapped		

Custom phases or column sizes are available upon request.

**Available in 4.6 mm I.D. x 150 mm L and
4.6 mm I.D. x 250 mm L column sizes.**

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