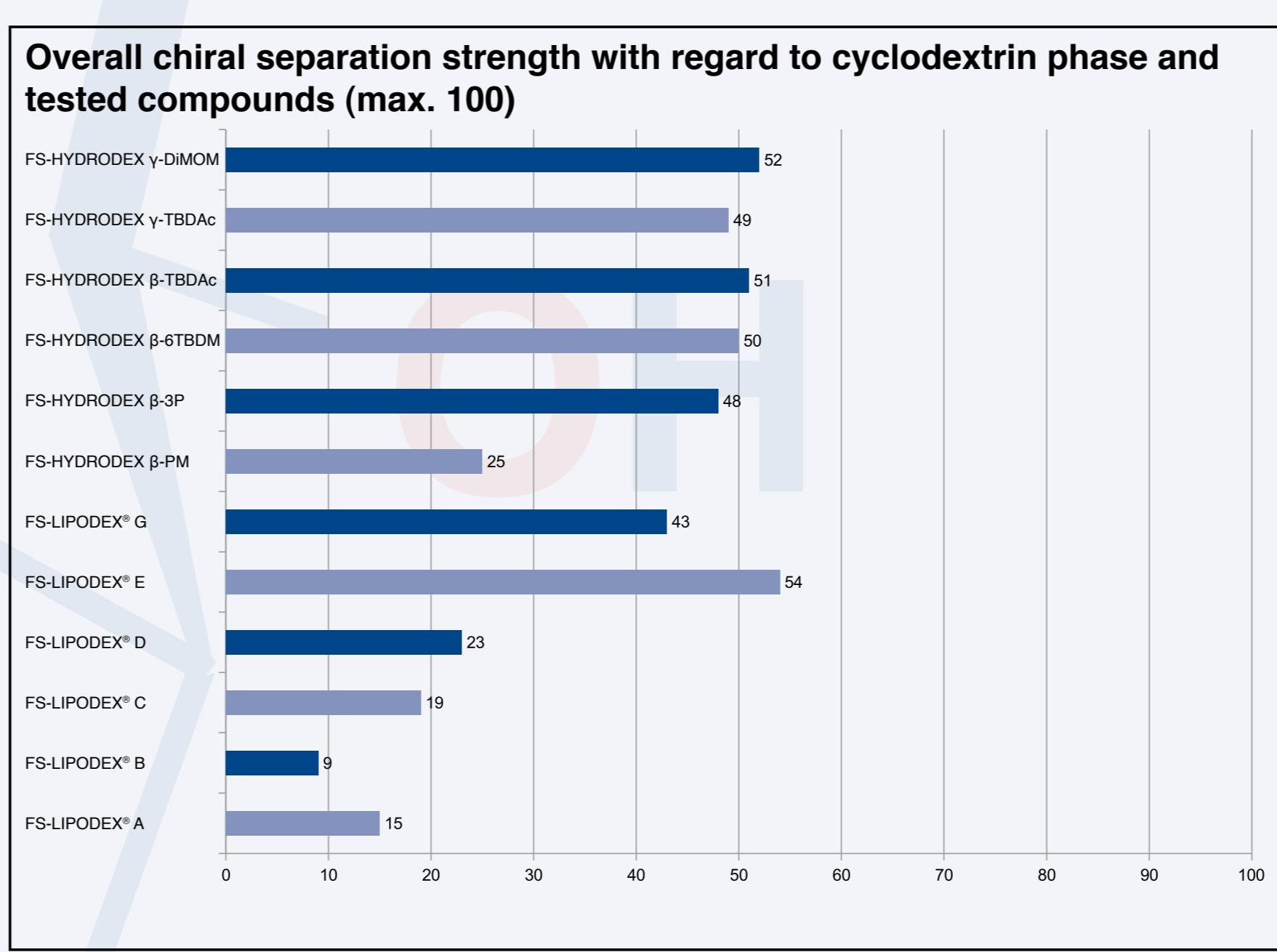
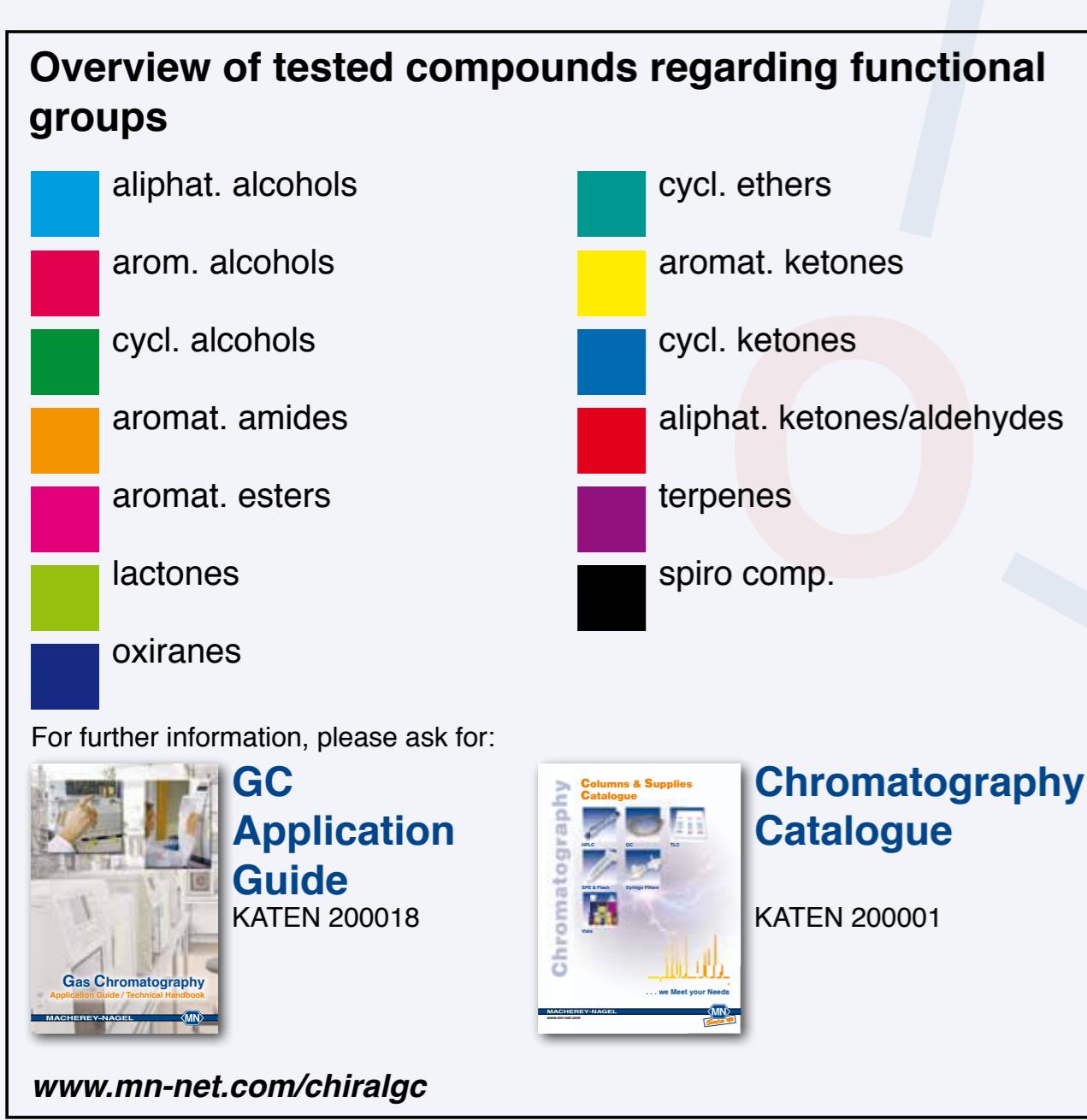
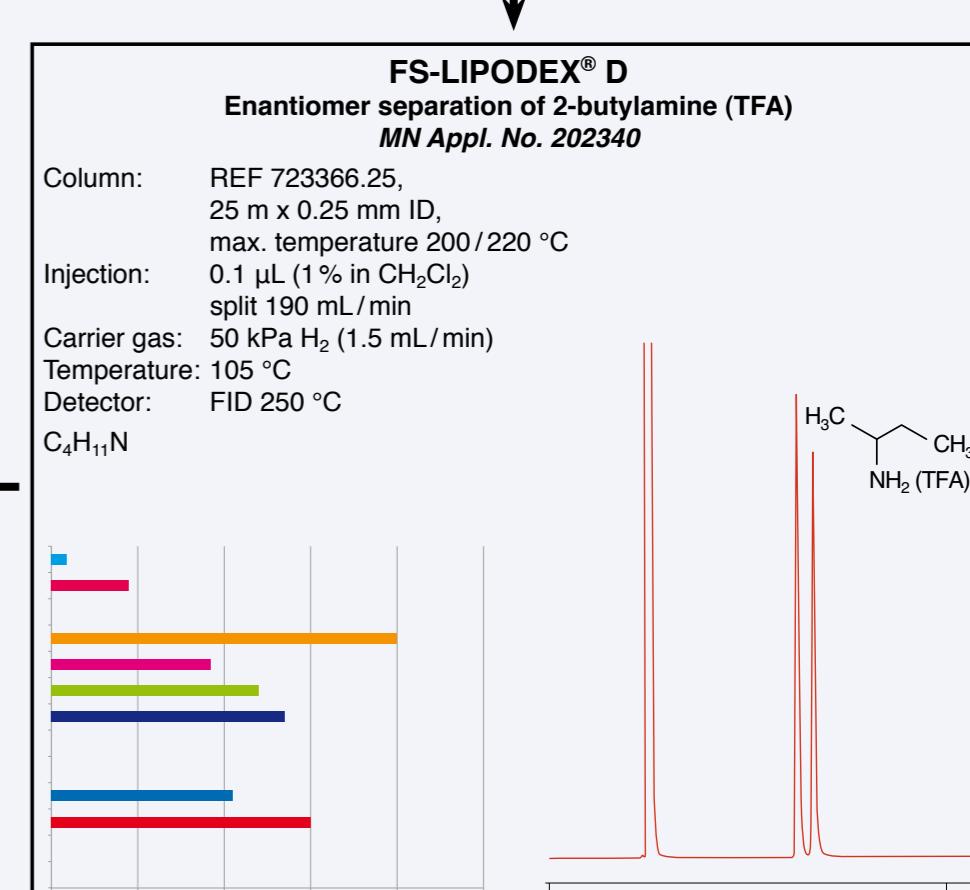
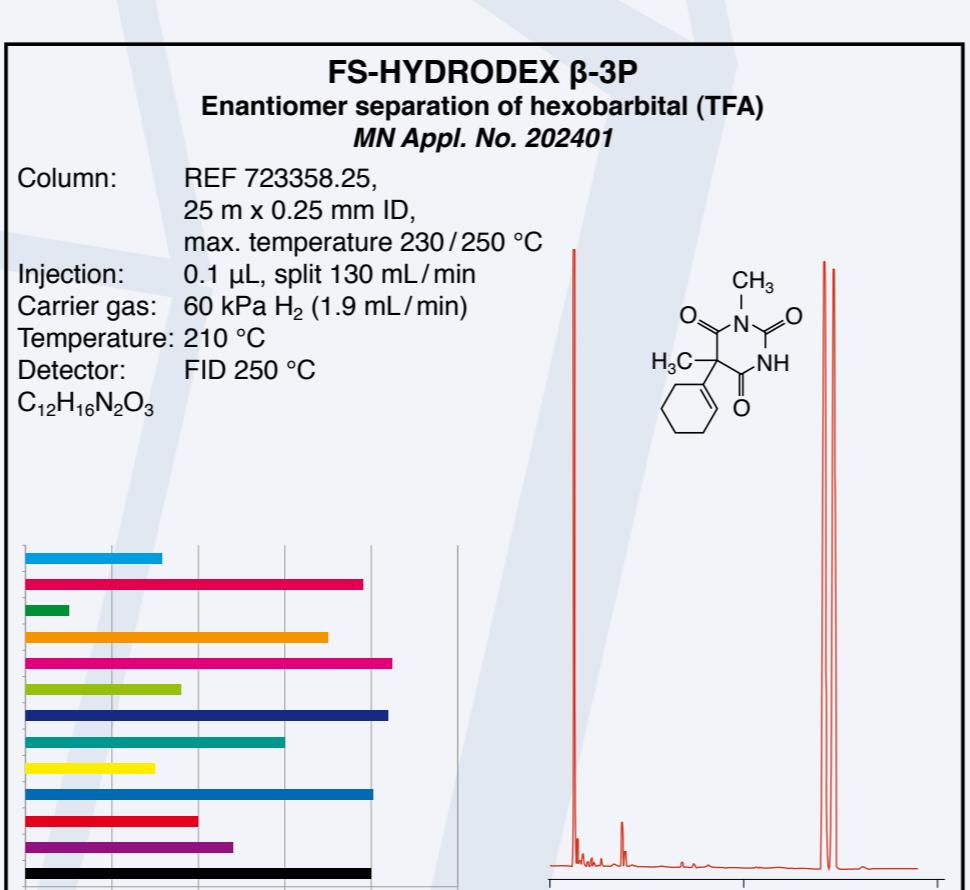
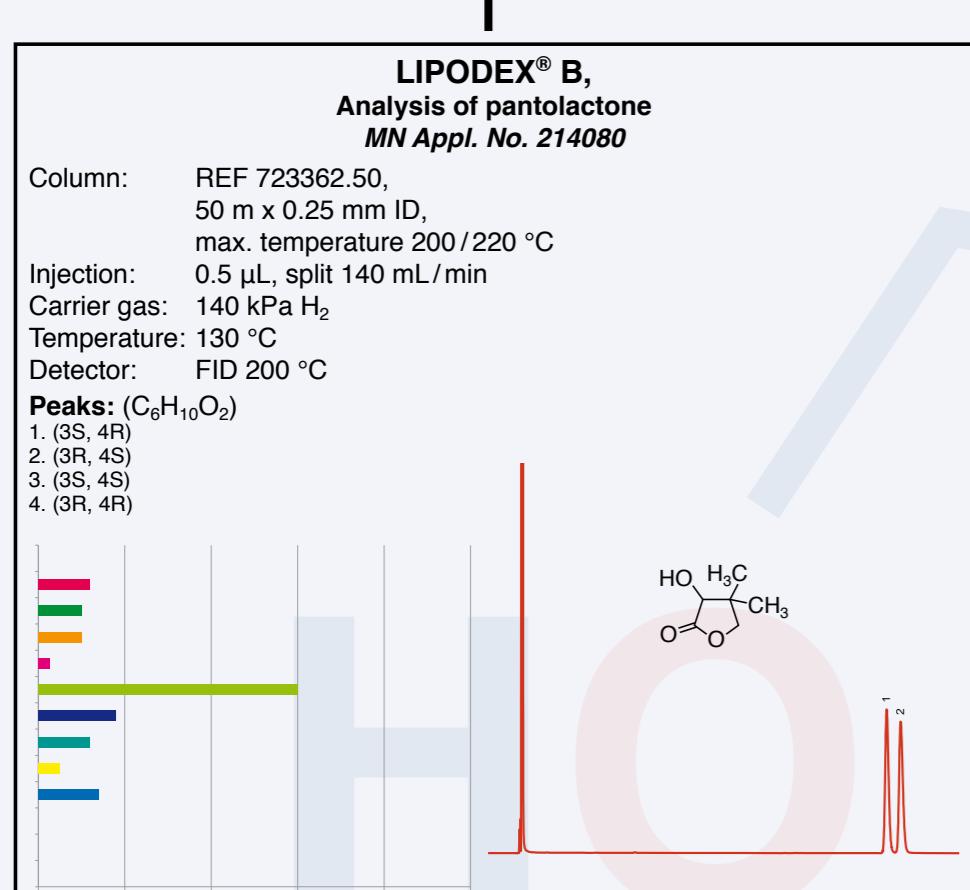
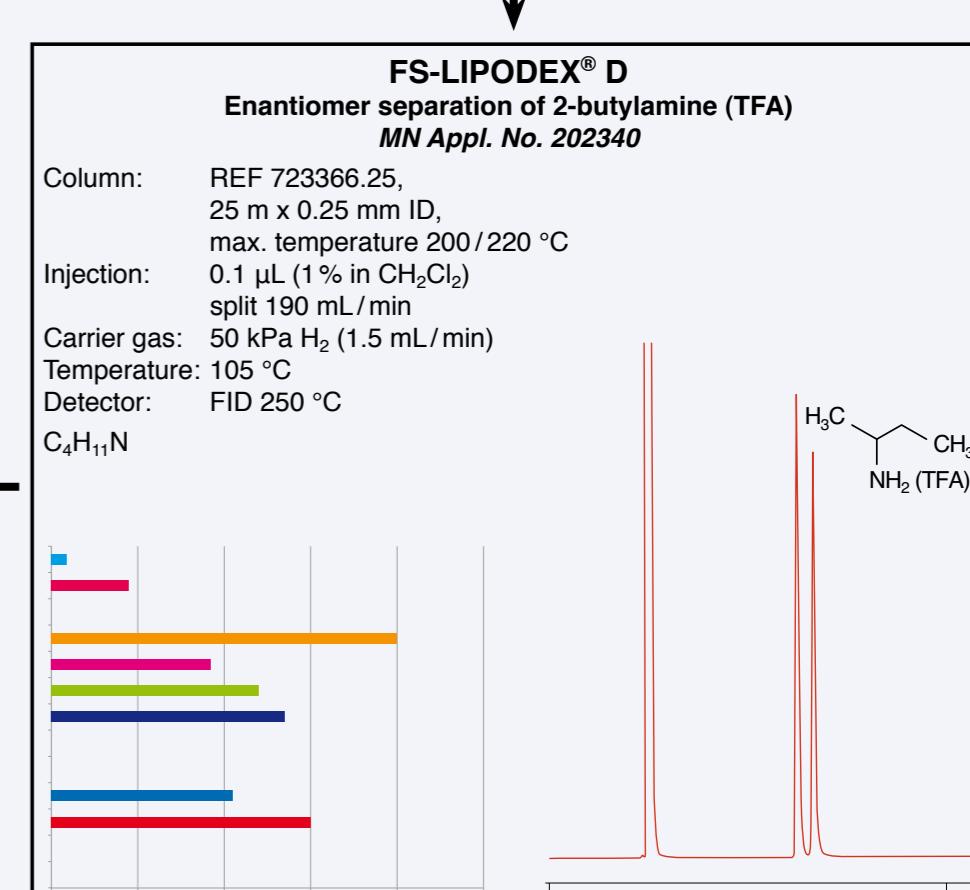
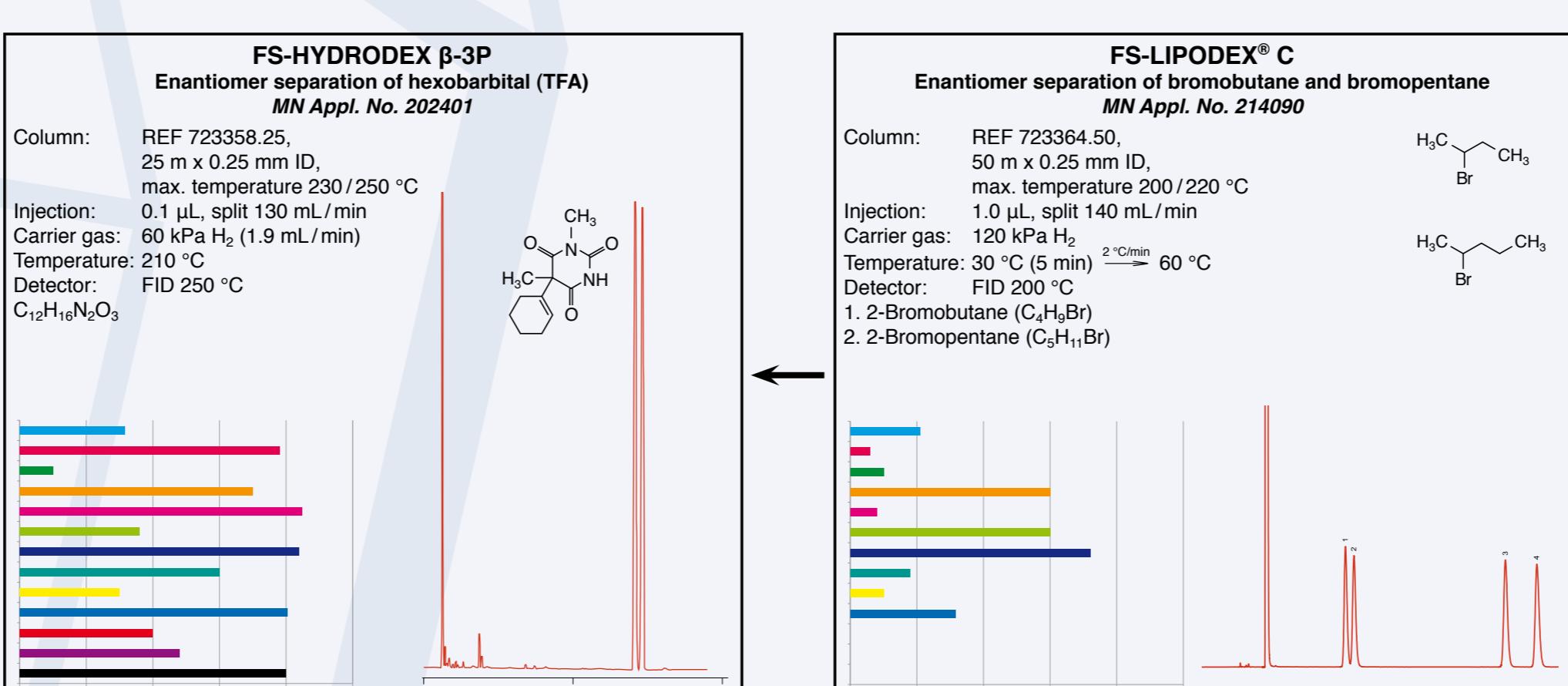
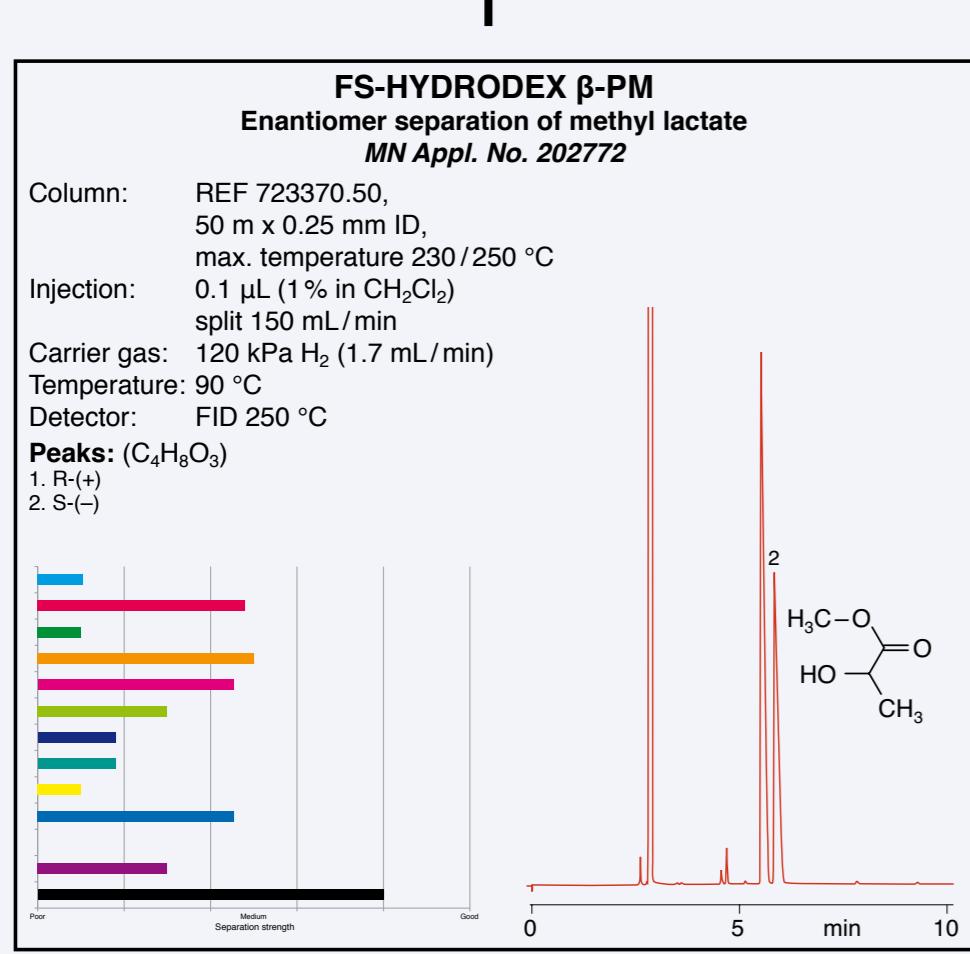
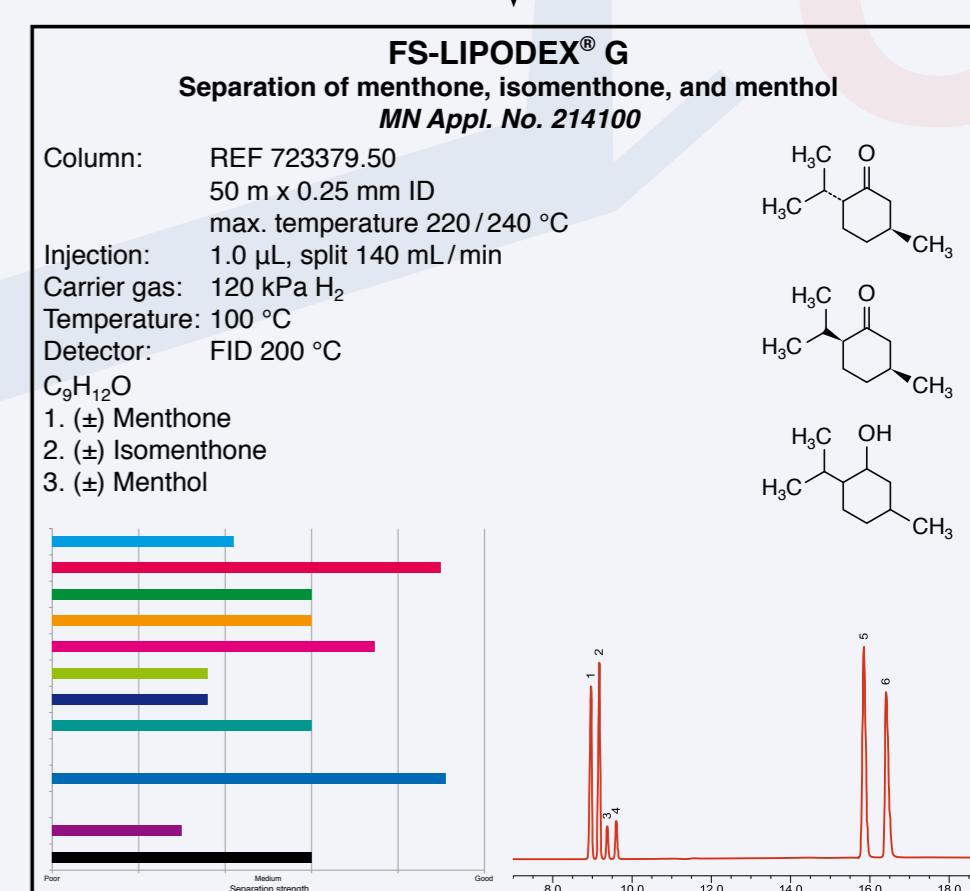
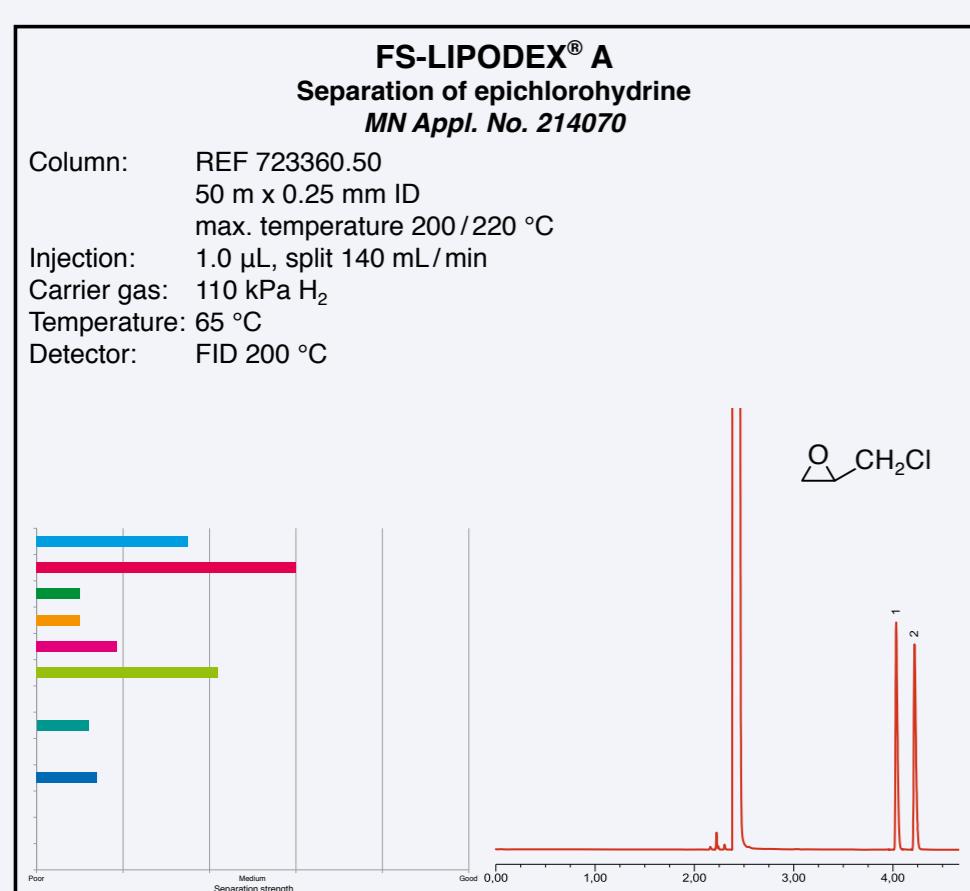
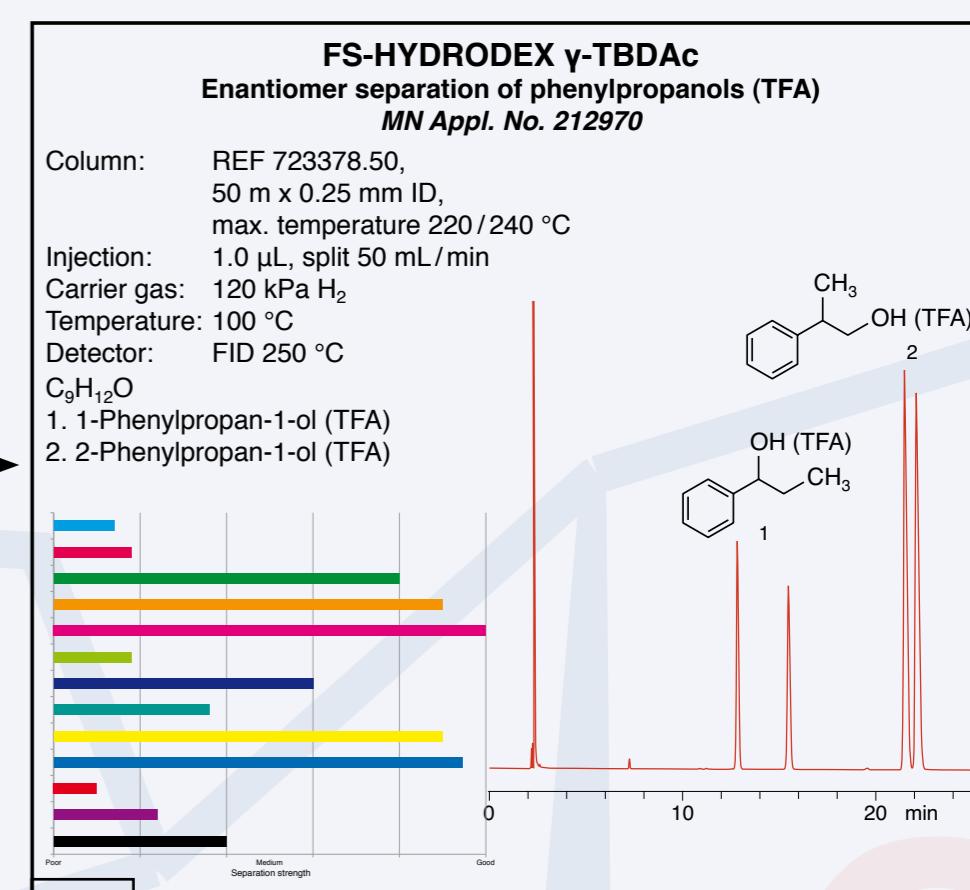
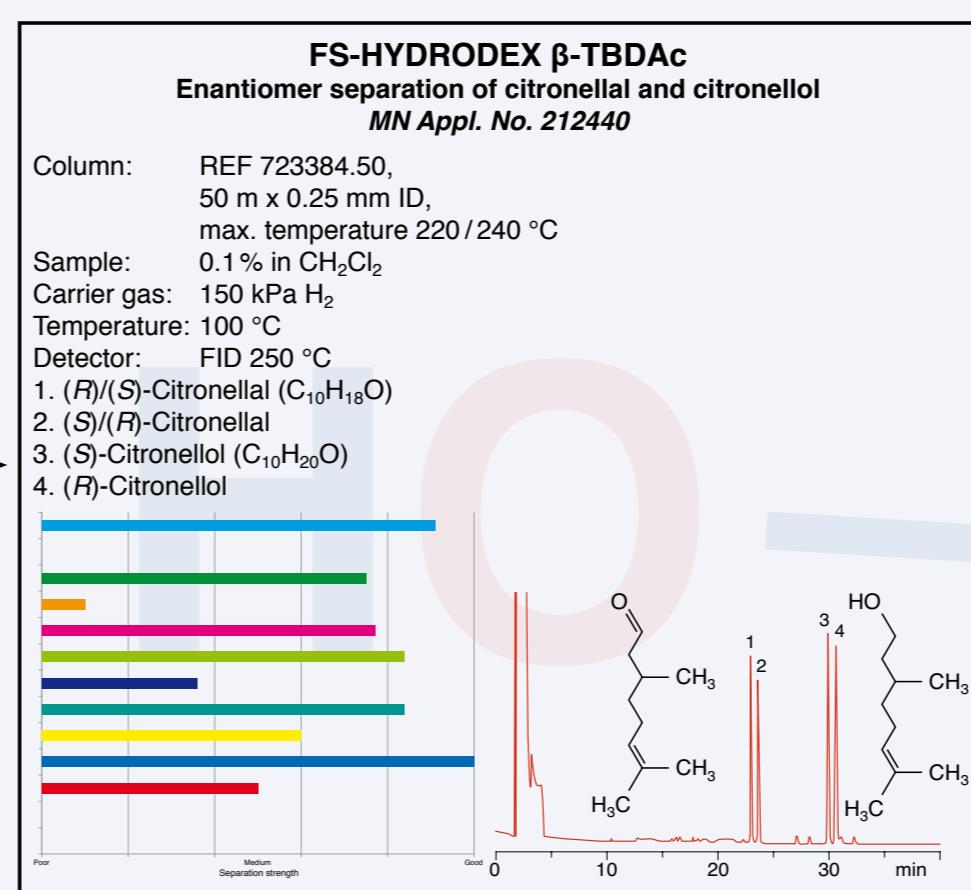
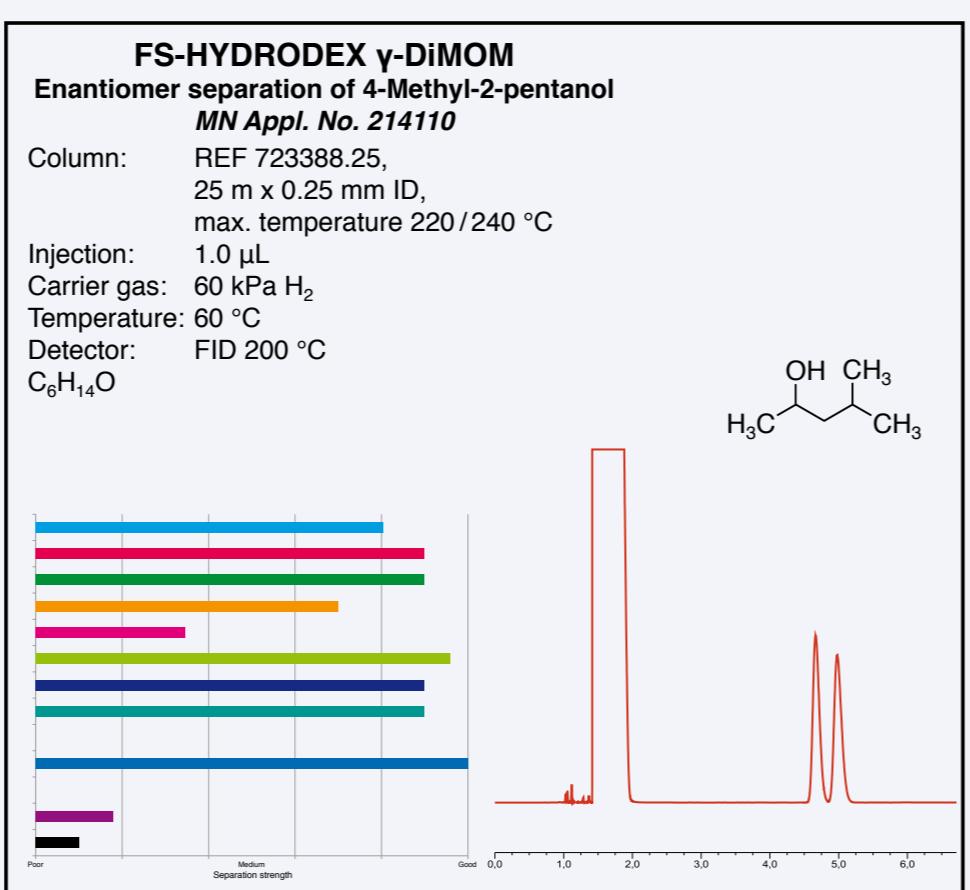
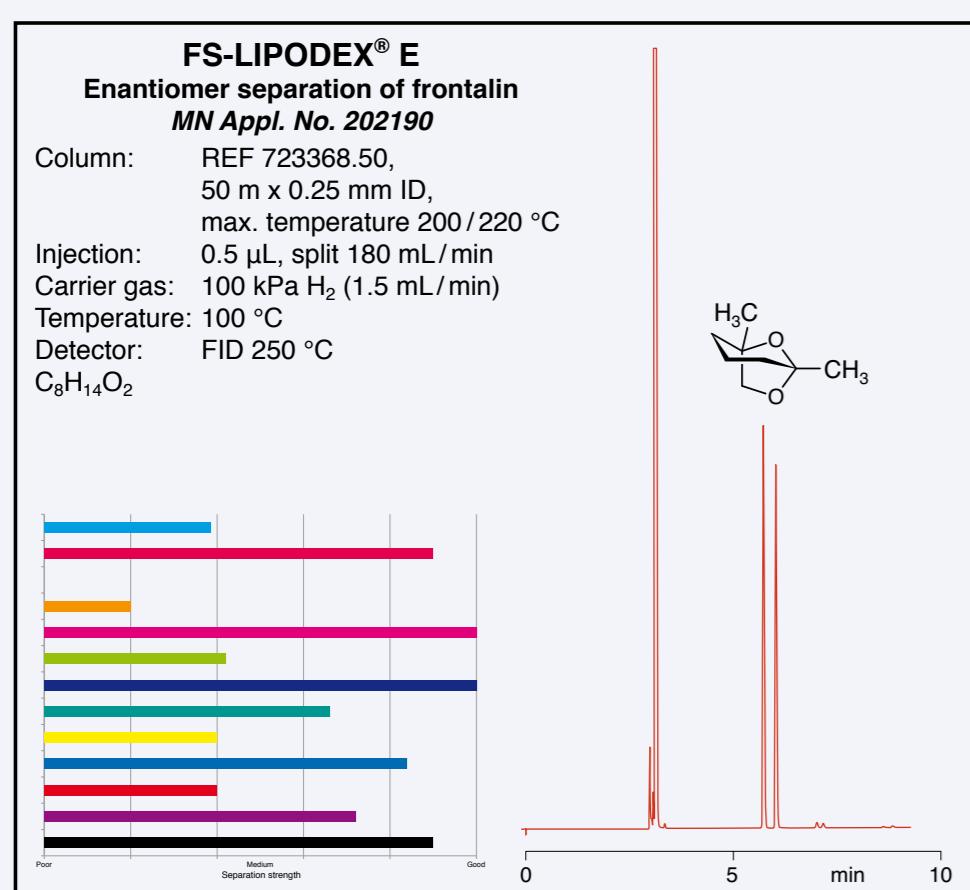


MACHEREY-NAGEL Cyclodextrin GC Columns

Comparison of chiral phases



Selection guide for derivatization in GC

Function	method	derivative	recommended reagent
Alcohols, Phenols	silylation	R(O) — CO — R	BSA, MSTA, MSHFB, TSM, SILY-1109
ROH	acylation	R(O) — CO — R	TFAA, HFBA, MSTA, MSHFB
ster. hindered	alkylation	R(O) — R	TMSH
Amines	silylation	R — NH — TM	TSM, BSTFA, SILY-991
prim., sec.	alkylation	R — NH — CO — R	BSA, MSTA, MSHFB, SILY-991
hydrochlorides	silylation	R — NH — CO — R	TFAA, HFBA, MSTA, MSHFB
Amides	silylation	R — NH — CO — R	MSTFA
	acylation	R — NH — CO — R	TFAA, MSTA, MSHFB, BSA, BSTFA, MSTA, MSHFB
Amino acids	silylation	R — NH — CO — O — R	a) MeOH/TMCS, TMSH b) TFAA, HFBA, MSTA, MSHFB
	alkyl. (a)	R — NH — CO — O — R	b) TFAA, HFBA, MSTA, MSHFB
	alkyl. (b)	R — NH — CO — O — R	TFAA, HFBA, MSTA, MSHFB
Carboxylic acids (tatty acids)	silylation	R — CO — O — R	BSA, MSTA, MSHFB, TSM, SILY-2110, SILY-21, SILY-1139
	alkylation	R — CO — O — R	DMF-DMA, MeOH/TMCS (1 M), TMSH
	silylation	R — CO — O — TMS	TMS
Carbo-hydrates	silylation	R — CO — O — TMS	MSTA, TSM, HMDS, SILY-1139
Steroids	silylation	R — CO — O — TMS	TFAA, MBTFA
	acylation	R — CO — O — TMS	BSA, TSM
	silylation	R — CO — O — TMS	TFAA, MBTFA, HFBA, MSHFB

