

REFERENCE STANDARDS COLUMN TEST MIXES

GC	538-539
HPLC	539
Deactivating Agent	539

GC

Rxi®-5Sil MS/XLB Column Test Mix (8 components)

4-chlorophenol	1-methylnaphthalene
dicyclohexylamine	<i>n</i> -tetradecane (C14)
2-ethylhexanoic acid	<i>n</i> -tridecane (C13)
1,6-hexanediol	1-undecanol

350µg/mL each in methylene chloride, 1mL/ampul
cat. # 35226 (ea.)

NEW!

Q-BOND and U-BOND Column Test Mix (7 components)

acetone	<i>n</i> -hexane (C6)
diethyl ether (ethyl ether)	methanol
ethanol	<i>n</i> -pentane (C5)
ethyl acetate	

0.1% vol/vol each in heptane, 1mL/ampul
cat. # 35202 (ea.)

NEW!

Grob Test Mix (12 components)

For use with temperature programmed conditions.

<i>n</i> C10-FAME	0.42mg/mL	2,6-dimethylphenol	0.32
<i>n</i> C11-FAME	0.42	2-ethylhexanoic acid	0.38
<i>n</i> C12-FAME	0.41	nonanal	0.40
2,3-butanediol	0.53	1-octanol	0.36
dicyclohexylamine	0.31	undecane (C11)	0.29
2,6-dimethylaniline	0.32	decane (C10)	0.28

In methylene chloride, 1mL/ampul
cat. # 35000 (ea.)

No data pack available.

Amine Column Test Mix (8 components)

For Stabilwax®-DB, Rtx®-5Amine, and Rtx®-35Amine columns.

1,2-butanediol	0.60mg/mL	diethanolamine	1.20
pyridine	0.60	2-nonanol	0.60
decane (C10)	0.60	2,6-dimethylaniline	0.60
diethylenetriamine	1.20	dodecane (C12)	0.60

In methylene chloride:methanol (1:1), 1mL/ampul
cat. # 35002 (ea.)

No data pack available.

Isothermal Column Test Mix (10 components)

1,2-hexanediol	0.46mg/mL	1-octanol	0.36
decane (C10)	0.29	nonanal	0.40
undecane (C11)	0.29	2,6-dimethylaniline	0.32
dodecane (C12)	0.29	2,6-dichlorophenol	0.57
tridecane	0.29	naphthalene	0.32

In methylene chloride, 1mL/ampul
cat. # 35003 (ea.)

No data pack available.



For Restek's complete line of column test mixes, visit our website at:
www.restek.com/testmixes

RESTEK

HROMalytic +61(0)3 9762 2034
ECHnology Pty Ltd

Australian Distributors
Importers & Manufacturers
www.chromtech.net.au

11/12

GC cont'd

OQ Response Linearity Test Standard (6 components)

<i>n</i> -heptadecane (C17)	1.5µg/mL	<i>n</i> -docosane (C22)	1,000
<i>n</i> -octadecane (C18)	10	<i>n</i> -tetracosane (C24)	10,000
<i>n</i> -nonadecane (C19)	2		
<i>n</i> -eicosane (C20)	100		
In isoctane, 1mL/ampul			
cat. # 33906 (ea.)			

FID Performance Evaluation Standard (3 components)

<i>n</i> -tetradecane (C14)	<i>n</i> -hexadecane (C16)		
<i>n</i> -pentadecane (C15)			
0.03 w/w% each in hexane, 1mL/ampul			
cat. # 33908 (ea.)			

OQ/PV Headspace Standard (3 components)

1,2-dichlorobenzene	<i>tert</i> -butyl disulfide		
nitrobenzene			
2,000µg/mL each in ethanol, 1mL/ampul			
cat. # 33909 (ea.)			

HPLC

HPLC Normal Phase Test Mix #1 (4 components)

benzene	1.00mg/mL	benzyl alcohol	3.00
benzaldehyde	0.04	4-methoxybenzyl alcohol	2.00
In hexane, 1mL/ampul			
cat. # 35004 (ea.)			

No data pack available.

HPLC Reversed Phase Test Mix #1 (4 components)

benzene	3.00mg/mL	naphthalene	0.50
uracil	0.02	biphenyl	0.06
In methanol:water (75:25), 1mL/ampul			
cat. # 35005 (ea.)			

No data pack available.

HPLC Performance Test Mix (5 components)

The National Institute of Standards and Technology (NIST) has formulated a mixture that is highly effective for characterizing HPLC columns for efficiency, void volume, methylene selectivity, retentiveness, and activity toward chelators and organic bases. Results can be used for column classification, for column selection, for monitoring column performance over time, or for quality control. We test our material against the NIST 870 standard.

amitriptyline hydrochloride	2,800µg/mL	quinizarin	94
ethylbenzene	1,700	toluene	1,400
		uracil	28
In methanol, 1mL/ampul			
cat. # 31699 (ea.)			

HPLC cont'd

Carbohydrate HPLC Performance Check Mix (5 components)

Performance qualification (PQ) determines the precision of the HPLC system. Our performance check mix for HPLC/RI consists of five simple sugars in varied concentrations. We prepare the reference material in water, lyophilize it, and pack it dry for enhanced stability.

glucose	2.0mg	maltose	4.5
fructose	2.1	sucrose	4.0
lactose	4.4		

Dry components in 4mL screw-cap vial. Reconstitute in 1mL acetonitrile:water (75:25) to 2.0, 2.1, 4.4, 4.5, 4.0mg/mL, respectively.

cat. # 31809 (ea.)

No data pack available.

HPLC OQ Linearity Test Mix Kit

Linear detector responses to concentration variations are an important part of operation qualification (OQ) for HPLC instruments. Our kit of five aqueous solutions of caffeine can be used to generate simple plots of UV response versus concentration. Certificate of Analysis includes caffeine concentration, calculated variance in preparing each mixture, a linearity plot, and coefficient of determination (r^2) for the linear plot.

Caffeine at 5, 25, 125, 250, 500µg/mL in water in a five ampul kit.

1mL each of these mixtures.

cat. # 31805 (kit)



No data pack available.

Quantity discounts not available.

also available

Individual ampuls of caffeine are available on **page 444**.

Deactivating Agent

Dimethyldichlorosilane (DMDCS) Deactivating Agent

Restek offers dimethyldichlorosilane (DMDCS), for deactivating liners and other glassware. Simply dilute the neat material to a 5% solution in toluene, soak the glass item(s) in the solution for 15 minutes, and rinse with toluene and methanol. DMDCS reacts with active hydroxyl groups on the glass surface to produce a deactivated surface. A detailed procedure is included with the product.

dimethyldichlorosilane (DMDCS)

Neat, 20mL/ampul

cat. # 31840 (ea.)



Documentation Search

Find what you need fast at
www.restek.com/documents

- Material safety data sheets
- Certificates of analysis
- Datapacks (by catalog number and/or lot number)