



PRODUCT REPLACEMENT NOTICE

YMC Co., Ltd.
Quality Assurance Dept.

Dear Customer:

We would like to thank you for using YMC products.

This note serves as notice to inform you that we will discontinue **YMC * GEL** listed below effective September 30, 2012. We would like to offer a replacement product named **YMC * GEL HG series** in place of **YMC * GEL** to meet your expectations and needs. Please kindly refer to the product numbers seen below for your future purchase.

We are sorry for this inconvenience and we appreciate your understanding and acceptance of the replacement. Unfortunately due to low profitability and aging of the facilities to make **YMC * GEL** has forced this decision. Please contact your local YMC office to obtain information on **YMC * GEL HG series**.

Cross reference table

YMC * GEL (Discontinue)		YMC * GEL HG series (Replacement)	
Product Description	Product Number	Product Description	Product Number
YMC * GEL ODS-A S-50 μ m 12nm	AA12S50	YMC * GEL ODS-A-HG S-50 μ m 12nm	AAG12S50
YMC * GEL ODS-AQ S-50 μ m 12nm	AQ12S50	YMC * GEL ODS-AQ-HG S-50 μ m 12nm	AQG12S50
YMC * GEL C8 S-50 μ m 12nm	OC12S50	YMC * GEL C8-HG S-50 μ m 12nm	OCG12S50
YMC * GEL C4 S-50 μ m 12nm	BU12S50	YMC * GEL C4-HG S-50 μ m 12nm	BUG12S50

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Comparison of separation characteristics between YMC * GEL and YMC * GEL HG series

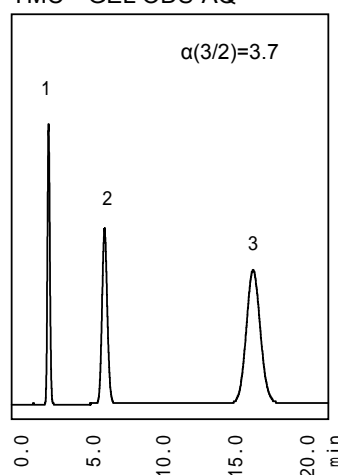
The comparison of separation characteristics on neutral, acidic and basic compounds between YMC * GEL ODS-AQ (S-50 μm , 12 nm) and YMC * GEL ODS-AQ-HG (S-50 μm , 12 nm) are shown.

■Neutral compounds (Comparison of hydrophobicity)

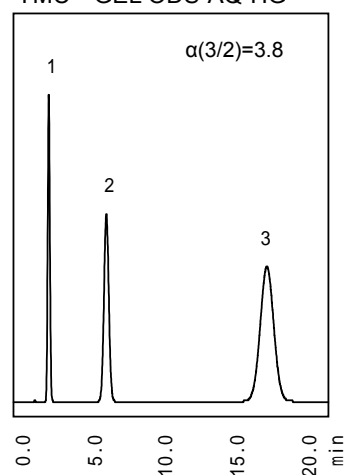
1. Uracil
2. Methyl benzoate
3. Butyl benzoate

Column : 250×10 mmI.D.
 Eluent : acetonitrile/water (60/40)
 Flow rate : 4.7 mL/min
 Temperature : 40
 Detection : UV at 270 nm

YMC * GEL ODS-AQ



YMC * GEL ODS-AQ-HG

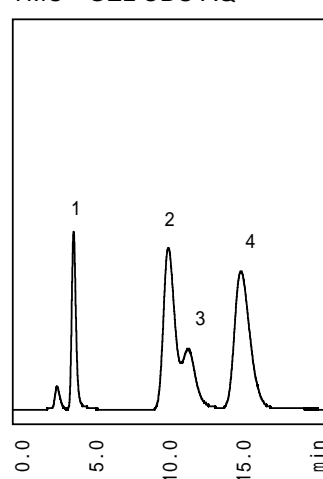


■Acidic compounds

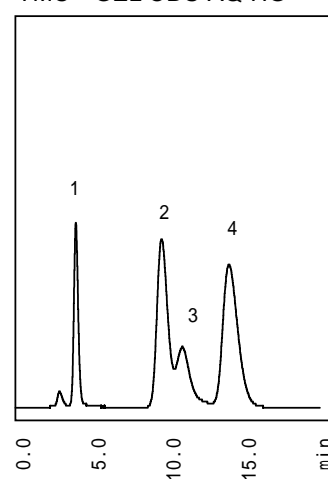
1. Oxalic acid
2. Succinic acid
3. Fumaric acid
4. Propionic acid

Column : 250×10 mmI.D.
 Eluent : water/H₃PO₄ (100/0.1)
 Flow rate : 4.7 mL/min
 Temperature : 40
 Detection : UV at 210 nm

YMC * GEL ODS-AQ



YMC * GEL ODS-AQ-HG

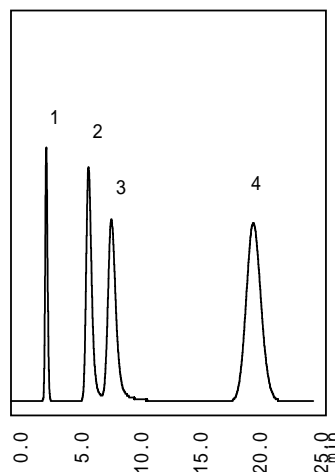


■Basic compounds

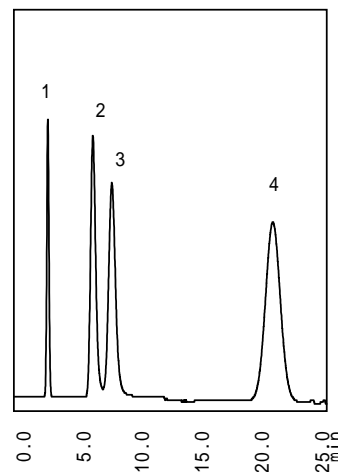
1. Uracil
2. Pyridine
3. 2,6-Dimethylpyridine
4. Methyl *p*-hydroxybenzoate

Column : 250×10 mmI.D.
 Eluent : 10mM CH₃COONa-CH₃COOH
 (pH5.6) /acetonitrile (80/20)
 Flow rate : 4.7 mL/min
 Temperature : 40
 Detection : UV at 251 nm

YMC * GEL ODS-AQ



YMC * GEL ODS-AQ-HG



YMC * GEL ODS-AQ-HG shows very similar separation characteristics and peak shapes to conventional YMC * GEL ODS-AQ.

In order to supply high performance and stable YMC * GEL HG products, YMC operates its production under a stringent quality control from a raw silica material to a final product. As with the conventional YMC * GEL series, YMC * GEL HG products that are delivered to customers should have passed all the strict quality criteria.