

Unique New C30 HPLC Columns

Develosil RPAQUEOUS (pH3 - pH8)

Develosil RPAQUEOUS-AR (pH2 - pH7)

Develosil C30-UG, Combi-RP

Develosil C30 phases are suitable for not only polar compounds such as sugars and nucleotides, but also fat-soluble compounds such as tocopherols and carotenoids.

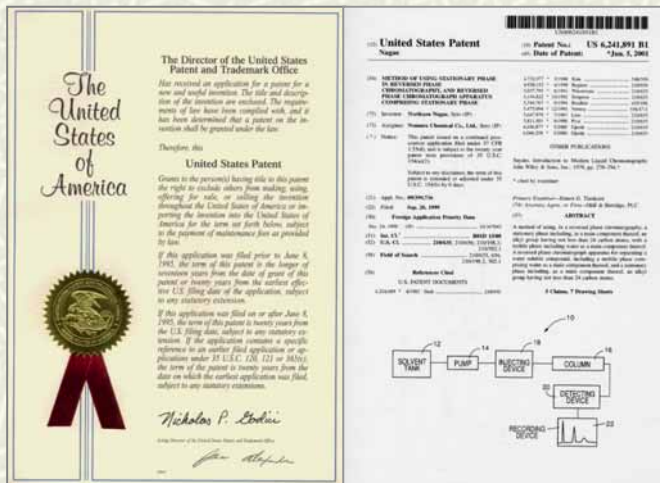
Characteristics

	Particle size	Ligand	End-capping (TMS)	Carbon content (%)	Silica		
					Surface area (m ² /g)	Pore volume (mL/g)	Pore diameter (nm)
C30-UG	3 um, 5 um	-Si (CH ₃) ₂ C ₃₀ H ₆₁	yes	18	300	1.15	14
RPAQUEOUS	5 um	-Si (CH ₃) ₂ C ₃₀ H ₆₁	yes	18	300	1.15	14
RPAQUEOUS-AR	3 um, 5 um	≡ Si C ₃₀ H ₆₁	yes	18	300	1.15	14
Combi-RP	3 um, 5 um	-Si (CH ₃) ₂ C ₃₀ H ₆₁	yes	18	300	1.15	14

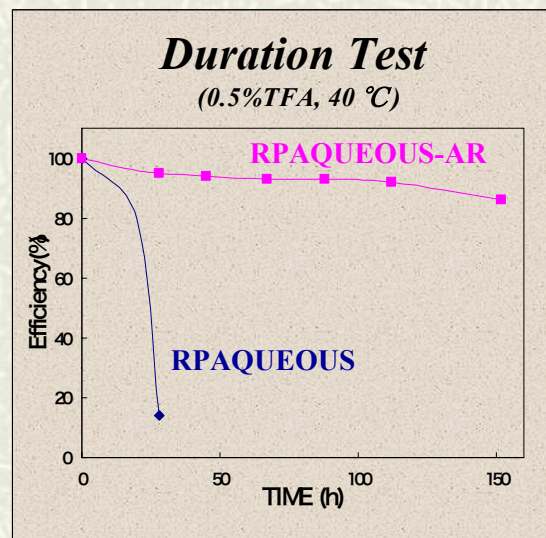
*C30-UG, RPAQUEOUS and Combi-RP are same materials. Only name is different each other.

*RPAQUEOUS-AR is more stable than the other C30 phases under acidic conditions because of trifunctional bonded phase.

USP 6,241,891



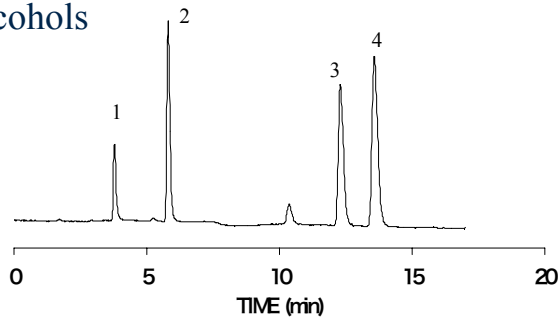
Nomura Chemical has U.S. Patent.



Nomura Chemical Co., Ltd.

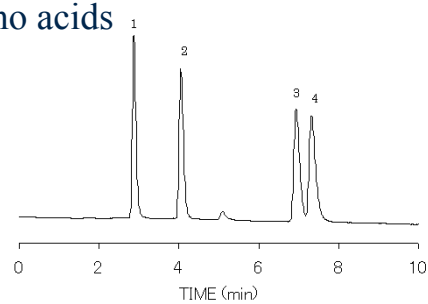
Applications

Alcohols



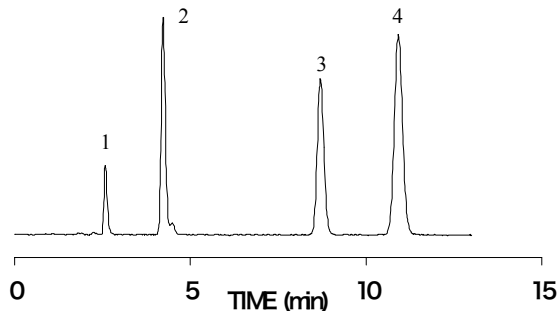
Column: **Develosil RPAQUEOUS (C30-UG-5)** 250 x 4.6 mm
 Mobile phase: water
 Flow rate: 1.0 mL/min
 Temperature: 40 °C
 Detection: RI
 Sample volume: 3 µL
 Sample: 1. Methanol, 2. Ethanol 1%, 3. 1-Propanol 1%, 4. 2-Propanol 1%

Amino acids



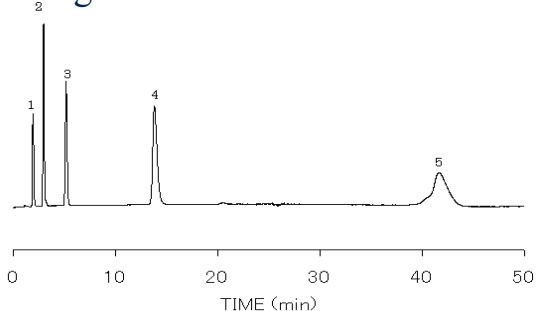
Column: **Develosil RPAQUEOUS (C30-UG-5)** 250 x 4.6 mm
 Mobile phase: water
 Flow rate: 1.0 mL/min
 Temperature: 40 °C
 Detection: RI
 Sample volume: 10 µL
 Sample: 1. alanine 0.2%, 2. valine 0.2%, 3. isoleucine 0.2%, 4. leucine 0.2%

Catecholamines



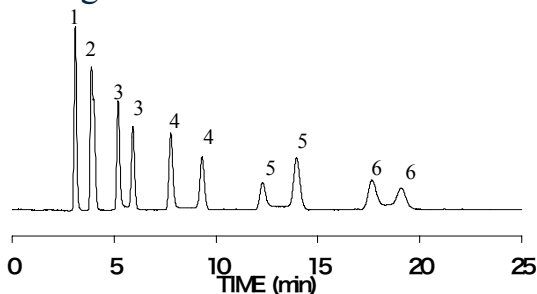
Column: **Develosil RPAQUEOUS (C30-UG-5)** 150 x 4.6 mm
 Mobile phase: 0.1M KH₂PO₄, pH2.6 with H₃PO₄
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: UV@210nm
 Sample: 1. Norepinephrine, 2. Epinephrine, 3. Dopamine, 4. L-DOPA

Fructooligosaccharides



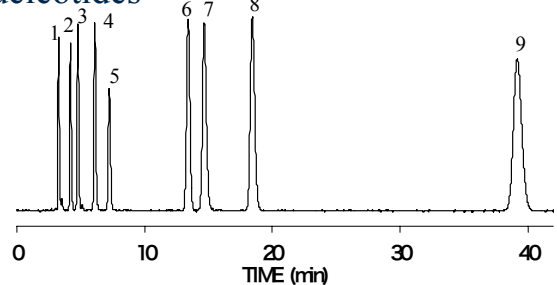
Column: **Develosil RPAQUEOUS (C30-UG-5)** 250 x 4.6 mm
 Mobile phase: water
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: RI
 Sample volume: 10 µL
 Sample: 1. Glucose 0.04%, 2. Saccharose 0.1%, 3. 1-Kestose 0.1%
 4. nystose 0.2%, 5. 1F-Fructofuranosylnystose 0.4%

Maltooligosaccharides



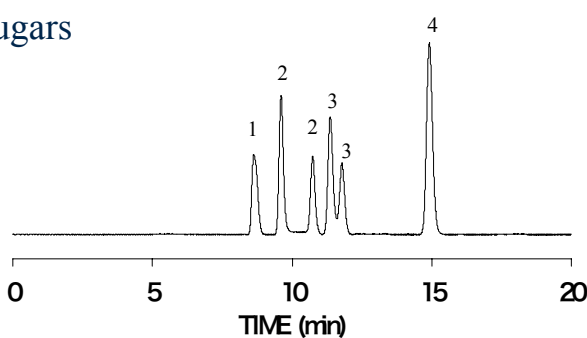
Column: **Develosil RPAQUEOUS (C30-UG-5)** 250 x 4.6 mm
 Mobile phase: water
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: RI
 Sample volume: 20 µL
 Sample: 1. Glucose 0.07%, 2. Maltose 0.1%, 3. Maltotriose 0.1%,
 4. Maltotetraose 0.1%, 5. Maltopentaose 0.1%, 6. Maltohexaose 0.1%

Nucleotides



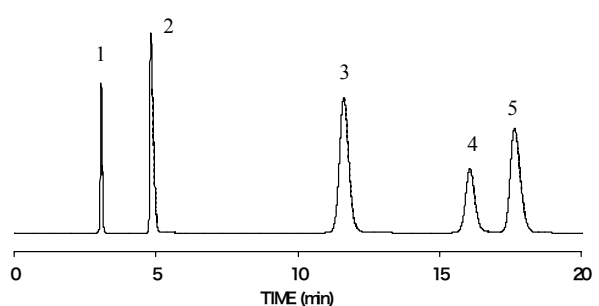
Column: **Develosil RPAQUEOUS (C30-UG-5)** 250 x 4.6 mm
 Mobile phase: 0.1M K₂HPO₄ with KOH, pH6.0
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: UV@260nm
 Sample: 1. 5'-CTP, 2. 5'-CDP, 3. 5'-CMP, 4. 5'-GTP
 5. 5'-GDP, 6. 5'-GMP, 7. 5'-ATP, 8. 5'-ADP, 9. 5'-AMP

Sugars



Column: **Develosil RPAQUEOUS (C30-UG-5)** 250 x 4.6 mm + 250 x 4.6 mm
 Mobile phase: water
 Flow rate: 0.7 mL/min
 Temperature: 25 °C
 Detection: RI
 Sample volume: 10 µL
 Sample: 1. Glucose, 2. Lactose, 3. Maltose, 4. Saccharose

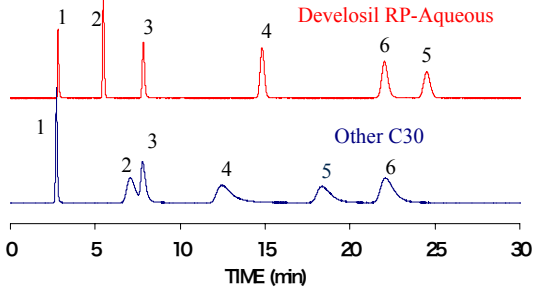
Water-soluble vitamins



Column: **Develosil RPAQUEOUS (C30-UG-5)** 150 x 4.6 mm
 Mobile phase: 50 mM sodium phosphate (pH6.9)
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: UV @254 nm
 Sample: 1. Orotic acid, 2. Nicotinic acid, 3. Pyridoxal HCl, 4. Pyridoxine HCl
 5. Nicotinamide

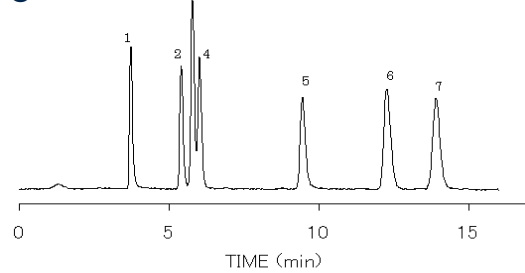
Applications

Nucleic acid bases



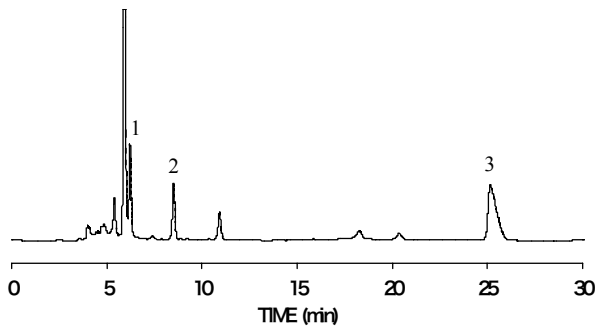
Column: **Develosil RPAQUEOS (C30-UG-5)** 250 x 4.6 mm
 other C30 250 x 4.6 mm
 Mobile phase: 10 mM NaH₂PO₄ with H₃PO₄, pH7.0
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: UV@254nm
 Sample: 1. Sodium Nitrite, 2. Cytosine, 3. Uracil, 4. Cytidine, 5. Uridine
 6. Thymine

Organic acids



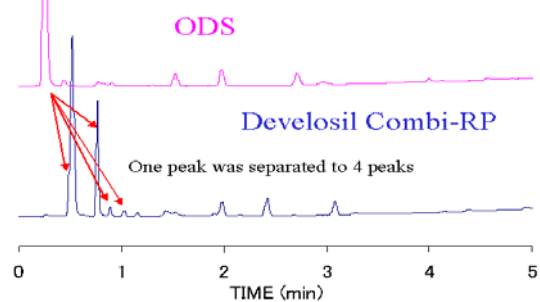
Column: **Develosil RPAQUEOUS (C30-UG-5)** 250 x 4.6 mm
 Mobile phase: 0.05M NH₄H₂PO₄ with H₃PO₄, pH2.4
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: UV@210nm
 Sample volume: 2 µL
 Sample: 1. Fomic acid, 2. Malonic acid, 3. Lactic acid, 4. Acetic acid
 5. Maleic acid, 6. Citric acid, 7. Fumaric acid

Organic acids 2



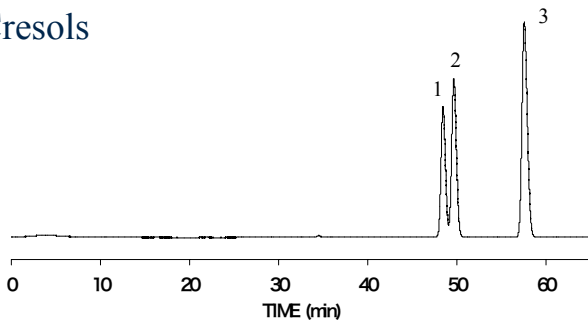
Column: **Develosil RPAQUEOUS-AR-3** 250 x 4.6 mm
 Mobile phase: 0.1% H₃PO₄
 Flow rate: 0.6 mL/min
 Temperature: 20 °C
 Detection: UV@210nm
 Sample: Organic acids extracted from Kiwi fruit
 (1. Quinic acid, 2. Malic acid, 3. Citric acid)

High through put analysis



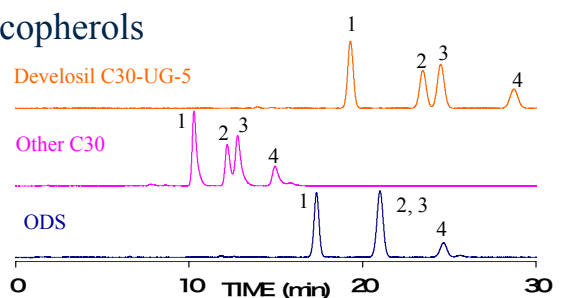
Column: **Develosil Combi-RP-5** 50 x 4.6 mm, ODS 50 x 4.6 mm
 Mobile phase: A) 0.1% TFA in water, B) Acetonitrile
 Combi-RP: %B 0 to 100% in 5min
 ODS: %B 10% to 100% in 5min
 Flow rate: 3.0 mL/min
 Temperature: 30 °C
 Detection: UV@254nm
 Sample: drink

Cresols



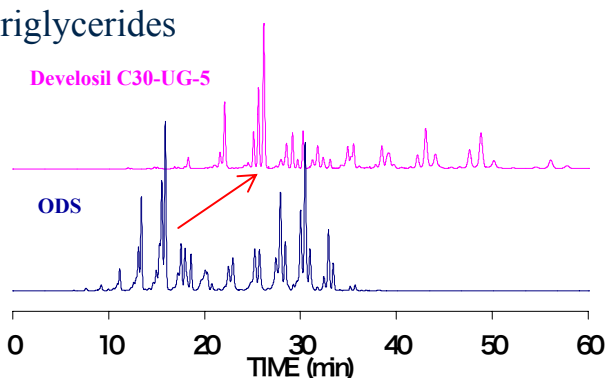
Column: **Develosil C30-UG-5** 250 x 4.6 mm x 2
 Mobile phase: THF/methanol/water(10:45:45)
 Flow rate: 0.4 mL/min
 Pressure: 20MPa
 Temperature: 15 °C
 Detection: UV@254nm
 Sample: 1. p-Cresol, 2. m-Cresol, 3. o-Cresol

Tocopherols



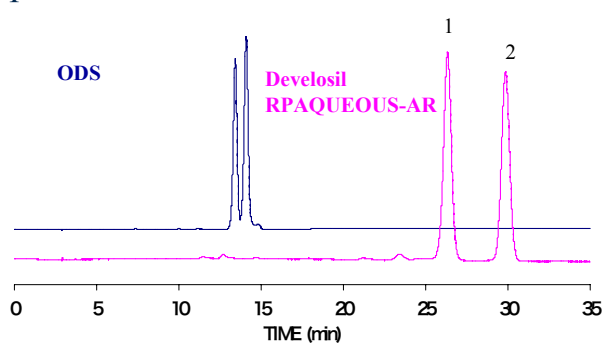
Column: **Develosil C30-UG-5 (RPAQUEOUS)** 250 x 4.6 mm
 other C30 250 x 4.6 mm, ODS 250 x 4.6 mm
 Mobile phase: methanol/water(97:3)
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: UV@295nm
 Sample volume: 1 µL
 Sample: Tocopherol, 1. Delta, 2. Gamma, 3. Beta, 4. Alpha

Triglycerides



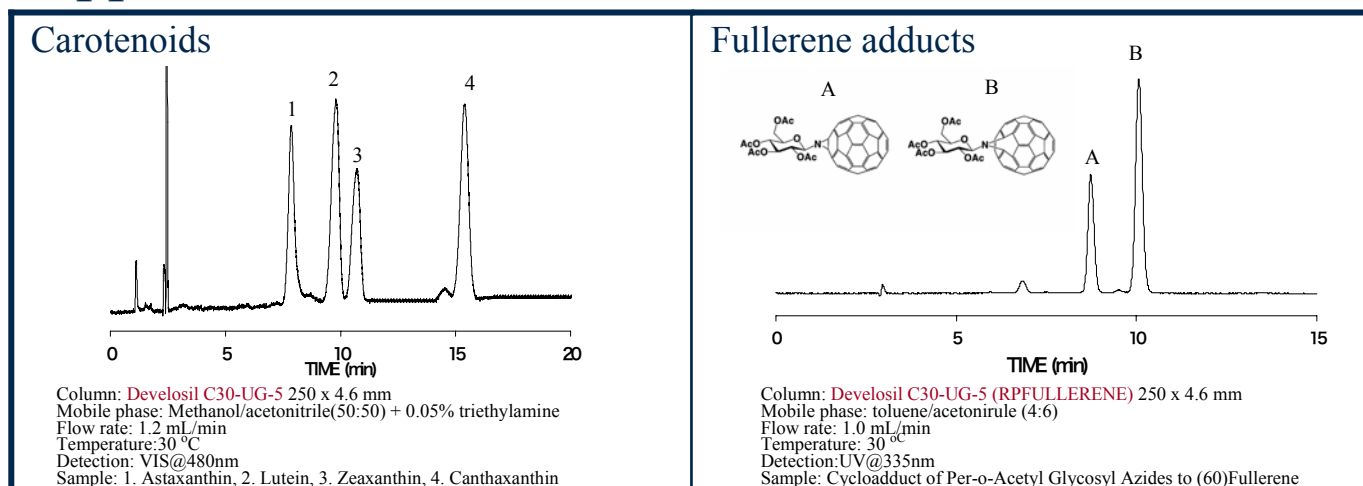
Column: **Develosil C30-UG-5** 250 x 4.6 mm, ODS 250 x 4.6 mm
 Mobile phase: A) Acetonitrile, B) Acetone
 %B 30% to 70% in 60 min
 Flow rate: 1.0 mL/min
 Temperature: 40 °C
 Detection: ELSD
 Sample: Milk

Alpha-Carotene and Beta-Carotene



Column: **Develosil RPAQUEOUS-AR-5** 250 x 4.6 mm, ODS 250 x 4.6mm
 Mobile phase: acetonitrile/chloroform (8:2)
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: UV@450nm
 Sample: 1. Alpha-carotene, 2. Beta-carotene

Applications



C30 phase can separate fullerene adducts which an exclusive use column for fullerene can not separate.

Ordering information

Develosil column, length: 10 mm to 250 mm, inner diameter: 0.15 mm to 28 mm

Dimension	Part Number						
	RPAQUEOUS	RPAQUEOUS-AR		C30-UG		Combi-RP	
	5 um	3um	5um	3um	5um	3um	5um
150 x 0.15 mm	RPAQ502150W		RPAR502150W		UG17502150W		
150 x 0.3 mm	RPAQ503150W	RPAR303150W	RPAR503150W	UG17303150W	UG17503150W		
150 x 1.0 mm	RPAQ510150W	RPAR310150W	RPAR510150W	UG17310150W	UG17510150W		
150 x 1.5 mm	RPAQ515150W	RPAR315150W	RPAR515150W	UG17315150W	UG17515150W		
10 x 1.5 mm (guard)	RPAQ515010W				UG17515010W		
35 x 2.0 mm	RPAQ520035W	RPAR320035W	RPAR520035W	UG17320035W	UG17520035W	COMB320035W	COMB520035W
50 x 2.0 mm	RPAQ520050W	RPAR320050W	RPAR520050W	UG17320050W	UG17520050W	COMB320050W	COMB520050W
100 x 2.0 mm	RPAQ520100W	RPAR320100W	RPAR520100W	UG17320100W	UG17520100W		
150 x 2.0 mm	RPAQ520150W	RPAR320150W	RPAR520150W	UG17320150W	UG17520150W		
250 x 2.0 mm	RPAQ520250W		RPAR520250W	UG17320250W	UG17520250W		
10 x 4.0 mm (guard)	RPAQ540010W				UG17540010W		
35 x 4.6 mm	RPAQ546035W	RPAR346035W	RPAR546035W	UG17346035W	UG17546035W	COMB346035W	COMB546035W
50 x 4.6 mm	RPAQ546050W	RPAR346050W	RPAR546050W	UG17346050W	UG17546050W	COMB346050W	COMB546050W
100 x 4.6 mm	RPAQ546100W	RPAR346100W	RPAR546100W	UG17346100W	UG17546100W		
150 x 4.6 mm	RPAQ546150W	RPAR346150W	RPAR546150W	UG17346150W	UG17546150W		
250 x 4.6 mm	RPAQ546250W		RPAR546250W	UG17346250W	UG17546250W		
100 x 6.0 mm	RPAQ560100W	RPAR360100W	RPAR560100W	UG17360100W	UG17560100W		
150 x 6.0 mm	RPAQ560150W	RPAR360150W	RPAR560150W	UG17360150W	UG17560150W		
250 x 6.0 mm	RPAQ560250W		RPAR560250W		UG17560250W		
10 x 8.0 mm (guard)	RPAQ580010W		RPAR580010W		UG17580010W		
250 x 8.0 mm	RPAQ580250W		RPAR580250W		UG17580250W		
250 x 10.0 mm	RPAQ5P1250W		RPAR5P1250W		UG175P1250W		
50 x 20 mm	RPAQ5P2050W		RPAR5P2050W		UG175P2050W		COMB5P2050W
100 x 20 mm	RPAQ5P2100W		RPAR5P2100W		UG175P2100W		COMB5P2100W
150 x 20 mm	RPAQ5P2150W		RPAR5P2150W		UG175P2150W		COMB5P2150W
250 x 20 mm	RPAQ5P2250W		RPAR5P2250W		UG175P2250W		COMB5P2250W
100 x 28 mm							COMB5P3100W
150 x 28 mm							COMB5P3150W
250 x 28 mm	RPAQ5P3250W		RPAR5P3250W		UG175P3250W		

Could you contact us directly when you need the column except for the column in the above list.

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<http://www.develosil.net> Email:info@develosil.net

Unique Novel C30 HPLC Columns

Develosil

RPAQUEOUS (pH3 - pH8)

RPAQUEOUS-AR (pH2 - pH7)

USP: L62 (All Develosil C30 phases are listed in L62.)

(Except for Develosil RPFULLERENE.)

Develosil C30-UG, RPAQUEOUS, Combi-RP, RPFULLERENE, RPAQUEOUS-AR

Develosil C30 phases are suitable not only for polar compounds such as sugars and nucleotides, but also for fat-soluble compounds such as tocopherols and carotenoids.

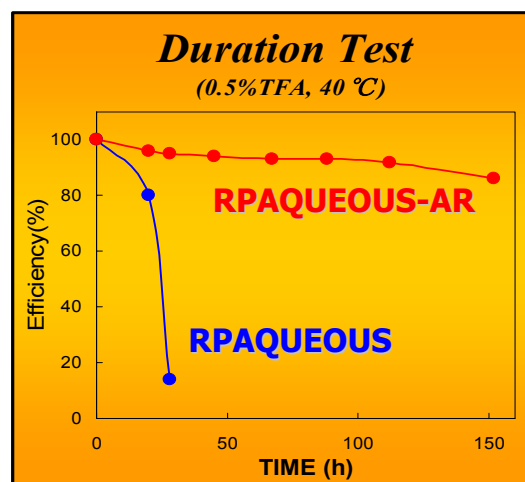
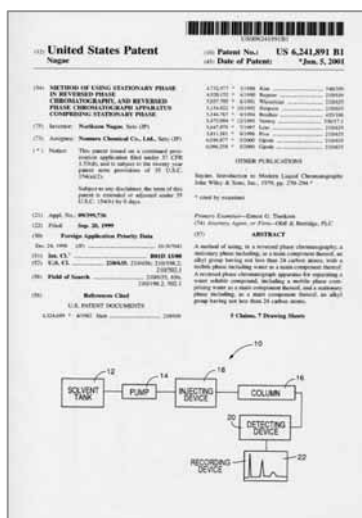
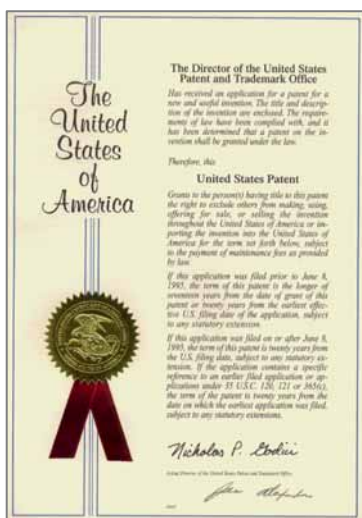
Characteristic of Develosil C30 phases

	Particle size	Ligand	End-capping (TMS)	Carbon content (%)	Silica		
					Surface area (m ² /g)	Pore volume (mL/g)	Pore diameter (nm)
C30-UG	3 μm, 5 μm	- Si (CH ₃) ₂ C ₃₀ H ₆₁	Double	18	300	1.15	14
RPAQUEOUS	5 μm	- Si (CH ₃) ₂ C ₃₀ H ₆₁	Double	18	300	1.15	14
RPAQUEOUS-AR	3 μm, 5 μm	≡ Si C ₃₀ H ₆₁	Double	18	300	1.15	14
Combi-RP	3 μm, 5 μm	- Si (CH ₃) ₂ C ₃₀ H ₆₁	Double	18	300	1.15	14

C30-UG, RPAQUEOUS and Combi-RP are completely the same materials. Only names are different each other.

RPAQUEOUS-AR is more stable than the other C30 phases under acidic conditions because of trifunctional bonded phase.

United states Patent No. 6,241,891

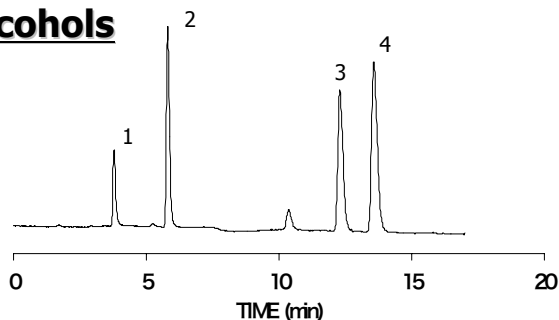


This patent belongs to Nomura Chemical Co., Ltd..

Nomura Chemical Co., Ltd.

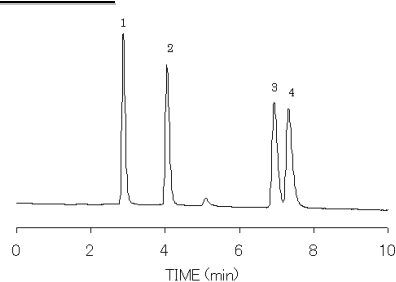
Applications

Alcohols



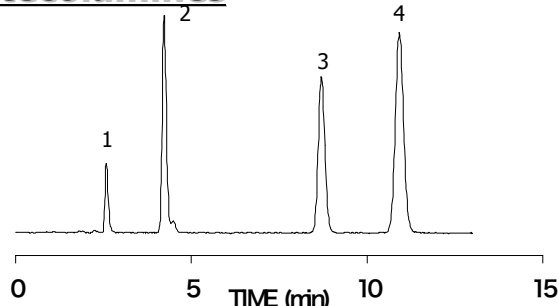
Column: **Develosil RPAQUEOUS** (C30-UG-5) 250 x 4.6 mm
 Mobile phase: Water
 Flow rate: 1.0 mL/min
 Temperature: 40 °C
 Detection: RI
 Sample: 1 = Methanol, 2 = Ethanol 1%, 3 = 1-Propanol 1%, 4 = 2-Propanol 1%

Amino acids



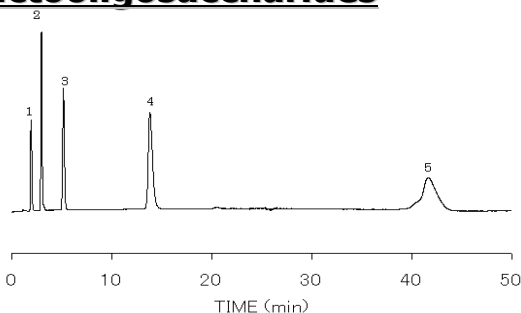
Column: **Develosil RPAQUEOUS** (C30-UG-5) 250 x 4.6 mm
 Mobile phase: Water
 Flow rate: 1.0 mL/min
 Temperature: 40 °C
 Detection: RI
 Sample: 1 = alanine 0.2%, 2 = valine 0.2%, 3 = isoleucine 0.2%, 4 = leucine 0.2%

Catecholamines



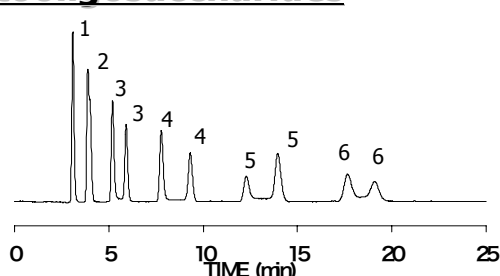
Column: **Develosil RPAQUEOUS** (C30-UG-5) 150 x 4.6 mm
 Mobile phase: 0.1M KH₂PO₄, (pH2.6) with H₃PO₄
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: UV at 210nm
 Sample: 1 = Norepinephrine, 2 = Epinephrine, 3 = Dopamine, 4 = L - DOPA

Fructooligosaccharides



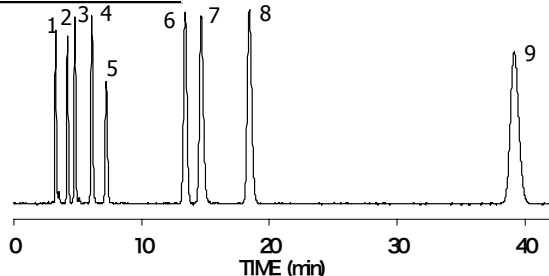
Column: **Develosil RPAQUEOUS** (C30-UG-5) 250 x 4.6 mm
 Mobile phase: Water
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: RI
 Sample: 1 = Glucose 0.04%, 2 = Saccharose 0.1%, 3 = 1-Kestose 0.1%, 4 = nystose 0.2%, 5 = 1F-Fructofuranosylnystose 0.4%

Maltooligosaccharides



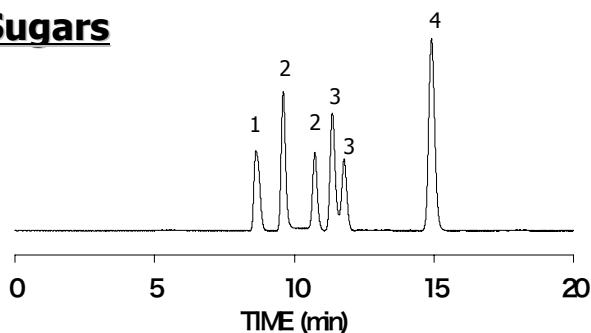
Column: **Develosil RPAQUEOUS** (C30-UG-5) 250 x 4.6 mm
 Mobile phase: Water
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: RI
 Sample: 1 = Glucose 0.07%, 2 = Maltose 0.1%, 3 = Maltotriose 0.1%, 4 = Maltotetraose 0.1%, 5 = Maltopentaose 0.1%, 6 = Maltohexaose 0.1%

Nucleotides



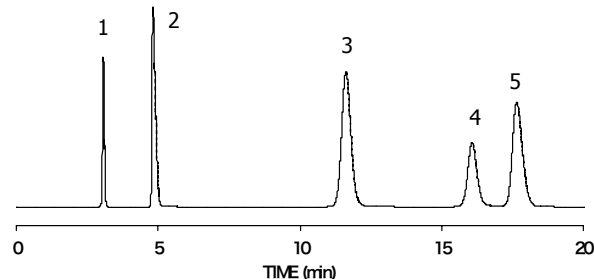
Column: **Develosil RPAQUEOUS** (C30-UG-5) 250 x 4.6 mm
 Mobile phase: 0.1M K₂HPO₄ with KOH, (pH6.0)
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: UV at 260nm
 Sample: 1 = 5'-CTP, 2 = 5'-CDP, 3 = 5'-CMP, 4 = 5'-GTP, 5 = 5'-GDP, 6 = 5'-GMP, 7 = 5'-ATP, 8 = 5'-ADP, 9 = 5'-AMP

Sugars



Column: **Develosil RPAQUEOUS** (C30-UG-5) 250 x 4.6 mm + 250 x 4.6 mm
 Mobile phase: water
 Flow rate: 0.7 mL/min
 Temperature: 25 °C
 Detection: RI
 Sample: 1 = Glucose, 2 = Lactose, 3 = Maltose, 4 = Saccharose

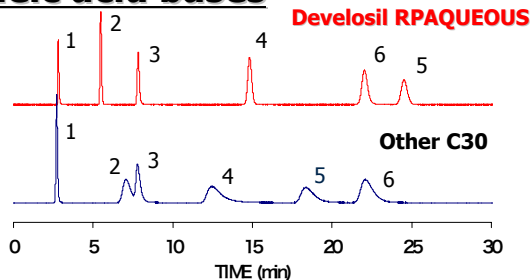
Water-soluble vitamins



Column: **Develosil RPAQUEOUS** (C30-UG-5) 150 x 4.6 mm
 Mobile phase: 50 mM sodium phosphate (pH6.9)
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: UV at 254 nm
 Sample: 1 = Orotic acid, 2 = Nicotinic acid, 3 = Pyridoxal HCl, 4 = Pyridoxine HCl, 5 = Nicotinamide

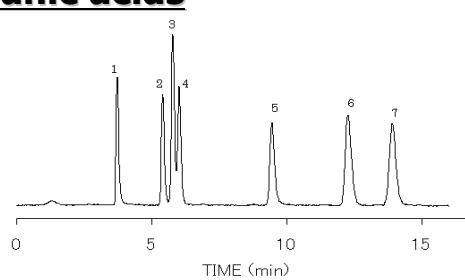
Applications

Nucleic acid bases



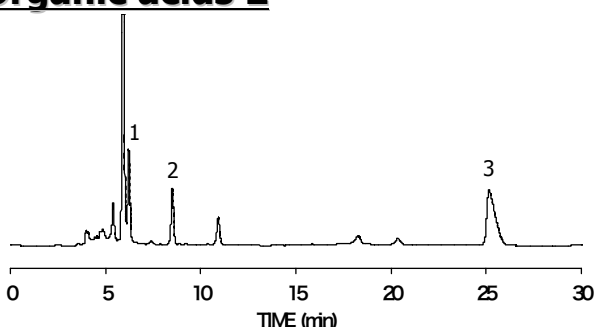
Column: **Develosil RPAQUEOS** (C30-UG-5) 250 x 4.6 mm and other C30 phase 250 x 4.6 mm
 Mobile phase: 10 mM NaH_2PO_4 with H_3PO_4 (pH7.0)
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: UV at 254 nm
 Sample: 1 = Sodium Nitrite, 2 = Cytosine, 3 = Uracil, 4 = Cytidine, 5 = Uridine, 6 = Thymine

Organic acids



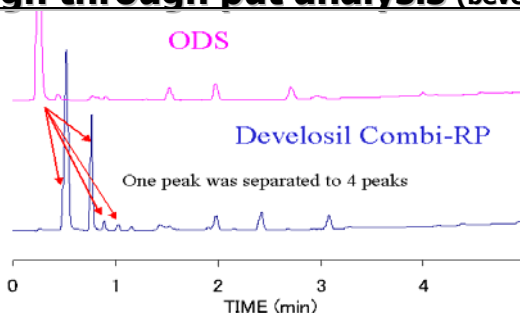
Column: **Develosil RPAQUEOUS** (C30-UG-5) 250 x 4.6 mm
 Mobile phase: 0.05M $\text{NH}_4\text{H}_2\text{PO}_4$ with H_3PO_4 (pH2.4)
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: UV at 210 nm
 Sample: 1 = Fomic acid, 2 = Malonic acid, 3 = Lactic acid, 4 = Acetic acid
 5 = Maleic acid, 6 = Citric acid, 7 = Fumaric acid

Organic acids 2



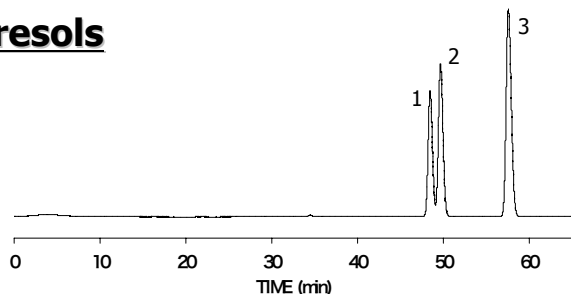
Column: **Develosil RPAQUEOUS-AR-3** 250 x 4.6 mm
 Mobile phase: 0.1% H_3PO_4
 Flow rate: 0.6 mL/min
 Temperature: 20 °C
 Detection: UV at 210 nm
 Sample: Organic acids extracted from Kiwi fruit
 1 = Quinic acid, 2 = Malic acid, 3 = Citric acid

High through put analysis (beverage)



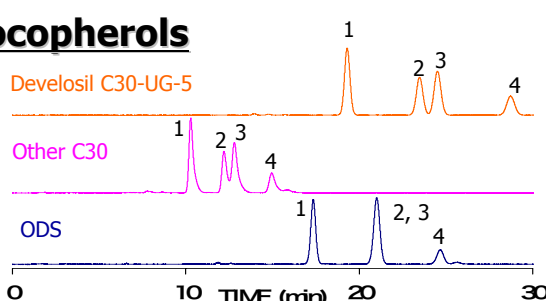
Column: **Develosil Combi-RP-5** 50 x 4.6 mm, ODS 50 x 4.6 mm
 Mobile phase: A) 0.1% TFA in water, B) Acetonitrile
 Combi-RP: %B 0 to 100% in 5min
 ODS: %B 10% to 100% in 5min
 Flow rate: 3.0 mL/min
 Temperature: 30 °C
 Detection: UV at 254nm

Cresols



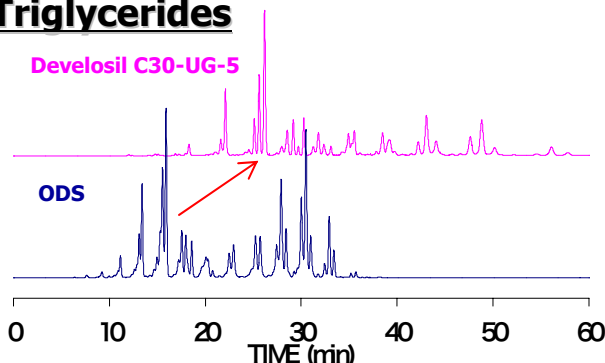
Column: **Develosil RPAQUEOUS** (C30-UG-5) 250 x 4.6 mm x 2
 Mobile phase: THF / Methanol / Water = 10 / 45 / 45
 Flow rate: 0.4 mL/min
 Pressure: 20 MPa
 Temperature: 15 °C
 Detection: UV at 254 nm
 Sample: 1 = *p*-Cresol, 2 = *m*-Cresol, 3 = *o*-Cresol

Tocopherols



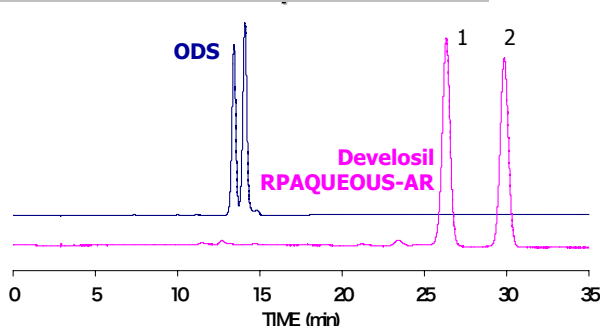
Column: **Develosil RPAQUEOUS** (C30-UG-5) 250 x 4.6 mm
 other C30 250 x 4.6 mm, ODS 250 x 4.6 mm
 Mobile phase: Methanol / Water = 97 / 3
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: UV at 295 nm
 Sample: Tocopherols, 1 = Delta, 2 = Gamma, 3 = Beta, 4 = Alpha

Triglycerides



Column: **Develosil RPAQUEOUS** (C30-UG-5) 250 x 4.6 mm, ODS 250 x 4.6 mm
 Mobile phase: A) Acetonitrile, B) Acetone
 %B 30% to 70% in 60 min
 Flow rate: 1.0 mL/min
 Temperature: 40 °C
 Detection: ELSD
 Sample: Milk

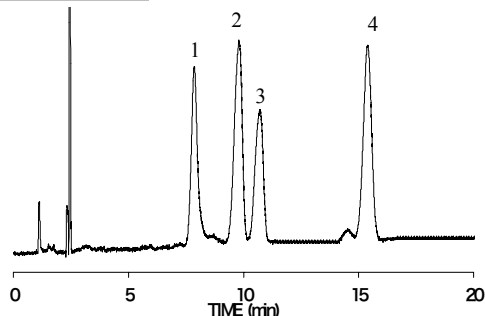
α -Carotene and β -Carotene



Column: **Develosil RPAQUEOUS-AR-5** 250 x 4.6 mm, ODS 250 x 4.6mm
 Mobile phase: Acetonitrile / Chloroform = 8 / 2
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: UV at 450 nm
 Sample: 1 = α -carotene, 2 = β -carotene

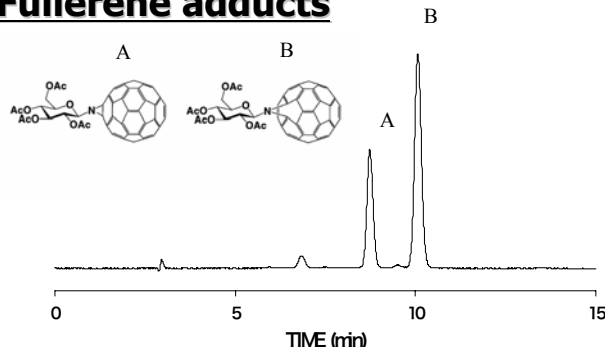
Applications

Carotenoids



Column: **Develosil RPAQUEOUS** (C30-UG-5) 250 x 4.6 mm
 Mobile phase: Methanol / Acetonitrile = 50 / 50 + 0.05% Triethylamine
 Flow rate: 1.2 mL/min
 Temperature: 30 °C
 Detection: VIS at 480 nm
 Sample: 1 = Astaxanthin, 2 = Lutein, 3 = Zeaxanthin, 4 = Canthaxanthin

Fullerene adducts



Column: **Develosil RPFULLERNE** (C30-UG-5) 250 x 4.6 mm
 Mobile phase: Toluene / Acetonitrile = 4 / 6
 Flow rate: 1.0 mL/min
 Temperature: 30 °C
 Detection: UV at 335 nm
 Sample: Cycloadduct of Per-o-Acetyl Glycosyl Azides to (60)Fullerene

Fullerene adducts (which can't be separated by an exclusive column for fullerene separation) can be separated by Develosil C30 phase.

Ordering information

Dimension of Develosil column, length: 10 mm to 250 mm, inner diameter: 1.0 mm to 28 mm

Dimension	Part Number						
	RPAQUEOUS	RPAQUEOUS-AR		C30-UG		Combi-RP	
	5 um	3 um	5 um	3 um	5 um	3 um	5 um
150 x 1.0 mm	RPAQ510150W	RPAR310150W	RPAR510150W	UG17310150W	UG17510150W		
150 x 1.5 mm	RPAQ515150W	RPAR315150W	RPAR515150W	UG17315150W	UG17515150W		
10 x 1.5 mm (guard)	RPAQ515010W				UG17515010W		
35 x 2.0 mm	RPAQ520035W	RPAR320035W	RPAR520035W	UG17320035W	UG17520035W	COMB320035W	COMB520035W
50 x 2.0 mm	RPAQ520050W	RPAR320050W	RPAR520050W	UG17320050W	UG17520050W	COMB320050W	COMB520050W
100 x 2.0 mm	RPAQ520100W	RPAR320100W	RPAR520100W	UG17320100W	UG17520100W		
150 x 2.0 mm	RPAQ520150W	RPAR320150W	RPAR520150W	UG17320150W	UG17520150W		
250 x 2.0 mm	RPAQ520250W		RPAR520250W	UG17320250W	UG17520250W		
10 x 4.0 mm (guard)	RPAQ540010W				UG17540010W		
35 x 4.6 mm	RPAQ546035W	RPAR346035W	RPAR546035W	UG17346035W	UG17546035W	COMB346035W	COMB546035W
50 x 4.6 mm	RPAQ546050W	RPAR346050W	RPAR546050W	UG17346050W	UG17546050W	COMB346050W	COMB546050W
100 x 4.6 mm	RPAQ546100W	RPAR346100W	RPAR546100W	UG17346100W	UG17546100W		
150 x 4.6 mm	RPAQ546150W	RPAR346150W	RPAR546150W	UG17346150W	UG17546150W		
250 x 4.6 mm	RPAQ546250W		RPAR546250W	UG17346250W	UG17546250W		
100 x 6.0 mm	RPAQ560100W	RPAR360100W	RPAR560100W	UG17360100W	UG17560100W		
150 x 6.0 mm	RPAQ560150W	RPAR360150W	RPAR560150W	UG17360150W	UG17560150W		
250 x 6.0 mm	RPAQ560250W		RPAR560250W		UG17560250W		
10 x 8.0 mm (guard)	RPAQ580010W		RPAR580010W		UG17580010W		
250 x 8.0 mm	RPAQ580250W		RPAR580250W		UG17580250W		
250 x 10.0 mm	RPAQ5P1250W		RPAR5P1250W		UG175P1250W		
50 x 20 mm	RPAQ5P2050W		RPAR5P2050W		UG175P2050W		COMB5P2050W
100 x 20 mm	RPAQ5P2100W		RPAR5P2100W		UG175P2100W		COMB5P2100W
150 x 20 mm	RPAQ5P2150W		RPAR5P2150W		UG175P2150W		COMB5P2150W
250 x 20 mm	RPAQ5P2250W		RPAR5P2250W		UG175P2250W		COMB5P2250W
100 x 28 mm							COMB5P3100W
150 x 28 mm							COMB5P3150W
250 x 28 mm	RPAQ5P3250W		RPAR5P3250W		UG175P3250W		

Please contact us directly if the column you require is not listed in the above table.

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