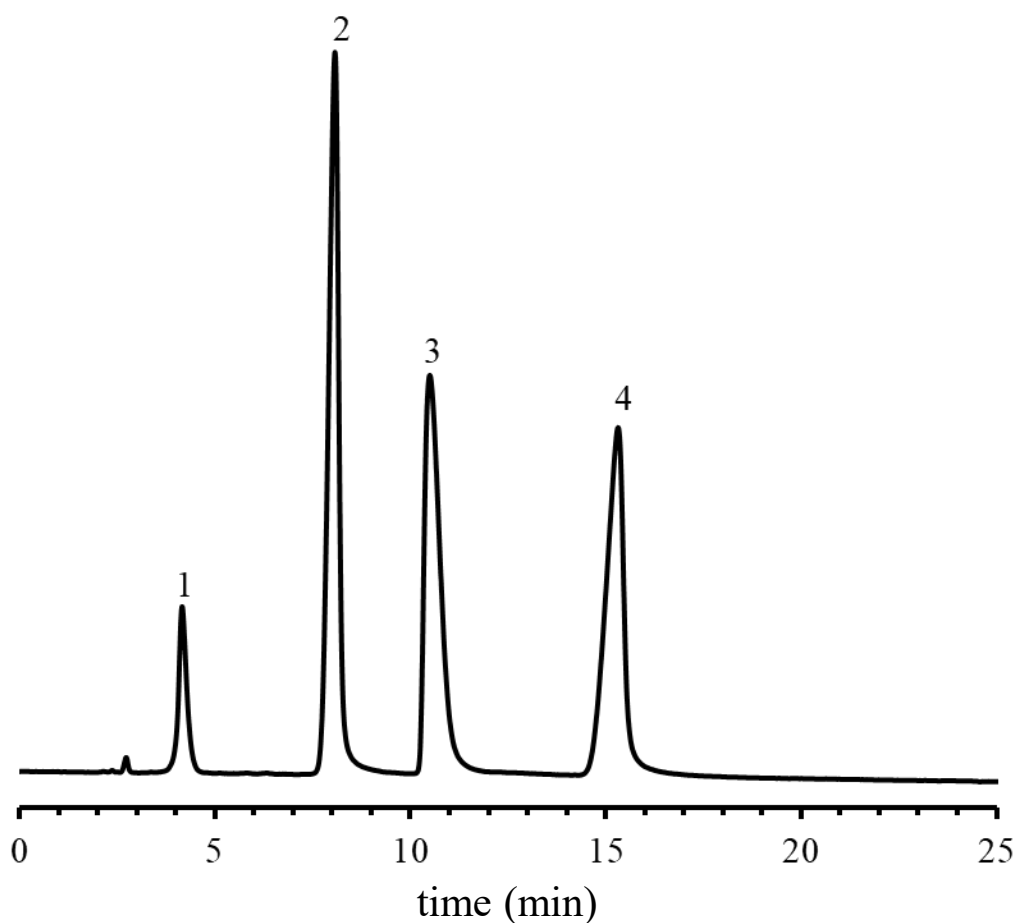


SHINWA EXPRESS

Application

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Analysis of Catecholamines using the ULTRON AF-HILIC-DA



Column: ULTRON AF-HILIC-DA (5 μ m)
Column size: 100 mmL x 4.6 mm I.D.
Mobile phase: 20 mM $\text{CH}_3\text{CO}_2\text{NH}_4$ (pH 4.7)/ CH_3CN = 10/90
Flow rate: 0.5 mL/min
Column temp.: 30°C
Detection: UV-220 nm

Sample: 1. L-DOPA (500 mg/L)
2. Dopamine (500 mg/L)
3. Adrenaline (500 mg/L)
4. Noradrenaline (500 mg/L)
Diluent: mobile phase
Injection vol.: 4 μ L

● Features of ULTRON AF-HILIC-DA

1. ULTRON AF-HILIC-DA is modified with primary and secondary amines introduced via a spacer.
2. The columns are high retentivity for polar compounds and offer unique separation selectivity.
3. The columns are suitable for the separation of neutral and basic compounds.

**SHINWA CHEMICAL INDUSTRIES LTD.**

50-2 Kagekatsu-cho, Fushimi-ku
Kyoto 612-8307 Japan
TEL: +81-75-621-2360 FAX: +81-75-602-2660
E-mail: info@shinwa-cpc.co.jp
Website: <https://shinwa-cpc.co.jp/en/>

■ Analytical column specifications ■

ULTRON AF-HILIC-CD

Product name	Particle size (μm)	Column dimensions Length x I.D. (mm)	
ULTRON AF-HILIC-CD	2	50×2.0	
		50×3.0	
		100×2.0	
		100×3.0	
		150×2.0	
		150×3.0	
ULTRON AF-HILIC-CD (PLSS)※ ※ PLSS: PEEK-Lined Stainless steel		50×2.0	
		100×2.0	
		150×2.0	
ULTRON AF-HILIC-CD (Two Guard Cartridges)			5×2.0
ULTRON AF-HILIC-CD	5	100×2.0	
		100×4.6	
		150×2.0	
		150×4.6	
		250×2.0	
		250×4.6	
ULTRON AF-HILIC-CD.G			10×4.0
ULTRON AF-HILIC-CD (Two Guard Cartridges)			5×2.0
			10×4.6
Holder for Guard Cartridge (with Coupler)		-	For 5×2.0 mm column
	For 10×4.6 mm column		

ULTRON AF-HILIC-DA

Product name	Particle size (μm)	Column dimensions Length x I.D. (mm)
ULTRON AF-HILIC-DA	5	100×2.0
		100×4.6
		150×2.0
		150×4.6
		250×4.6
ULTRON AF-HILIC-DA (Two Guard Cartridges)		5×2.0
		10×4.6
Holder for Guard Cartridge (with Coupler)	-	For 5×2.0 mm column
		For 10×4.6 mm column



※ Please do not hesitate to contact us for the other dimensions.
Please feel free to contact us with questions related to analyses.
Column screening services are also available.

Please be aware that specifications and prices are subject to change without prior notification.