LC column

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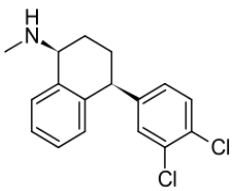
Analysis of Sertraline using the ULTRON ES-CD ～conform to USP47～

System Suitability Requirements		ULTRON ES-CD
Resolution	≧2.2	4.0
Relative standard deviation	≦10%	1.6



Column:	ULTRON ES-CD (5 μm)	Detection:	UV-220 nm
Column size:	250 mmL x 4.0 mm I.D.	Sample:	1. Sertraline hydrochloride (500 mg/L)
Mobile phase:	$NH_4H_2PO_4$ (pH 4.2)/CH_3OH = 52/48		2.3. Sertraline hydrochloride Related Compound A RS (500 mg/L)
Flow rate:	1.0 mL/min	Diluent:	mobile phase
Column temp.:	30℃	Injection vol.:	20 μL

● Features of the ULTRON ES-CD

1. Capable of chiral separations of hydrophobic cyclic compounds.
2. Both reverse and normal phase eluents can be used.
3. Corresponded to L45.
4. Excellent stability and durability.

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■Analytical column specifications■

ULTRON ES-CD / ES-CD-2 / ES-CD-EP / ES-CD-B / ES-CD-F / ES-PhCD / ES-PhCD-T

Product name	Particle size (μm)	Column dimensions Length x I.D. (mm)
ULTRON ES-CD-2	3	150×2.0
		250×2.0
		150×4.6
		250×4.6
ULTRON ES-CD-EP		150×4.6
ULTRON ES-CD-2 (Two Guard Cartridges)		5×2.0
		10×4.6
ULTRON ES-CD	5	150×2.0
		150×4.6
		150×6.0
		250×4.6
ULTRON ES-CD-2		150×2.0
		250×2.0
		150×4.6
		250×4.6
ULTRON ES-CD-B		150×6.0
ULTRON ES-CD-F		250×4.6
ULTRON ES-CD.G		10×4.0
ULTRON ES-PhCD		150×2.0
		150×4.6
ULTRON ES-PhCD-T		150×6.0
ULTRON ES-PhCD		250×4.6
ULTRON ES-PhCD.G		10×4.0
ULTRON ES-CD (Two Guard Cartridges)		5×2.0
		10×4.6
ULTRON ES-CD-2 (Two Guard Cartridges)		5×2.0
		10×4.6
ULTRON ES-PhCD (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.

Shinwa Chemical Industries Ltd.
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