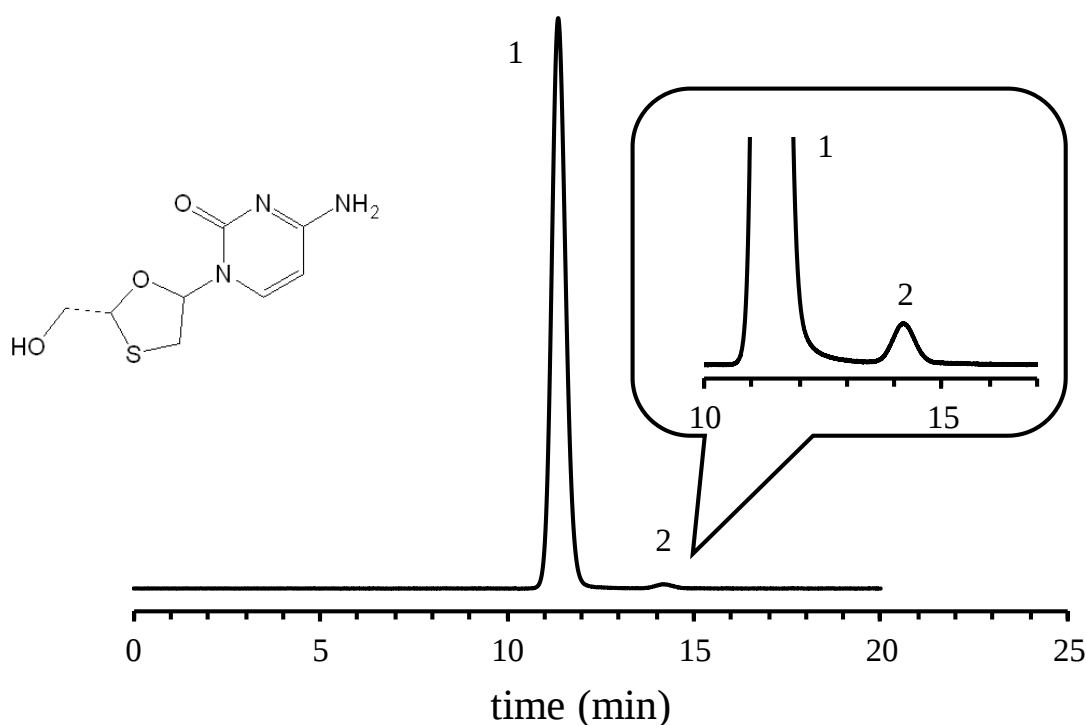


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Analysis of Lamivudine using the ULTRON ES-CD-2 ~conform to USP47~

System Suitability Requirements	ULTRON ES-CD-2
Relative retention times	about 1.0 and 1.2 about 1.0 and 1.25
Resolution	≥ 1.5 4.02



Column: ULTRON ES-CD-2 (5 μ m)
 Column size: 250 mmL x 4.6 mm I.D.
 Mobile phase: 100 mM CH₃CO₂NH₄ (pH 6.7)/CH₃OH = 95/5
 Flow rate: 1.0 mL/min
 Column temp.: 25°C
 Detection: UV-270 nm

Sample: 1. Lamivudine
 2. Lamivudine Enantiomer
 Lamivudine Resolution Mixture RS (250 mg/L)
 Diluent: water
 Injection vol.: 10 μ L

● Features of the ULTRON ES-CD-2

1. ULTRON ES-CD-2 is an up-upgraded version of ULTRON ES-CD with good scalability (5 μ m and 3 μ m).
2. Capable of chiral separations of hydrophobic cyclic compounds.
3. Both reverse and normal phase eluents can be used.
4. Corresponded to L45.
5. Excellent stability and durability.


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 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
		150×4.6
		5×2.0
ULTRON ES-CD-EP		10×4.6
ULTRON ES-CD-2 (Two Guard Cartridges)		
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.