

Ultron[®] ES Chiral Columns

Ultron[®] ES-OVM

- Protein-based chiral HPLC phases for better performance
- A wide range of chiral applications
- No derivatization required
- Aqueous mobile phase can be used in the separation.

Ultron ES-OVM is a chiral separation column immobilized with ovomucoid which is strong protein for denaturation. (US PATENT 6027648 Eisai Co., LTD.) that has numerous chiral recognition sites, making it applicable to a wide range of enantiomeric compounds.

This column recognizes hydrogen-bonding, polar, ionic, and hydrophobic sites, as well as the three-dimensional structure of sample molecules.

Ultron ES-OVM columns are compatible with aqueous and many of the commonly used organic solvents (for example, methanol, ethanol, and acetonitrile). Organic solvent concentrations greater than 50% are not recommended.

Typical applications include acidic and basic pharmaceuticals, pesticides and organic compounds.

Specifications

Support	Spherical Silica
Particle Size (μm)	5
Pore Diameter (Å)	120
Chiral Stationary phase	Ovomucoid
USP	L-57

Ordering Information

Phase	Particle Size (μm)	I.D. Length (mm)	QTY	Part No.
Ultron ES-OVM Chiral Columns				
ES-OVM	5	2.1 x 150	1	03S15-B421
		4.6 x 150	1	03S15-E421
		6.0 x 150	1	03S15-F421
	10	4.6 x 250	1	03S15-E531
		21.2 x 250	1	03S15-I531

Ordering Information

Phase	Particle Size (μm)	I.D. Length (mm)	QTY	Part No.
Ultron ES-OVM Chiral Guard Columns				
ES-OVM	5	4.0 x 10	1	03S15-D121
	10	7.8 x 15	1	03S15-GA21
Ultron ES-OVM Chiral Guard Cartridge*				
ES-OVM	5	2.1 x 5	2	03S15-BF23
		4.6 x 10	2	03S15-E123

*Guard holder required

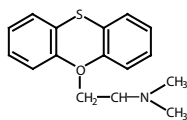
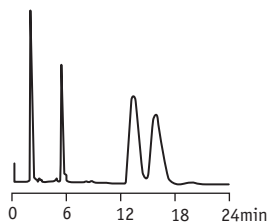
Ordering Information

Description	QTY	Part No.
Guard Holder with Coupler		
For column I.D. 2.1-7.8 mm	1	0300-0001



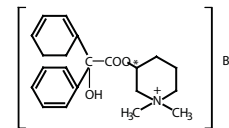
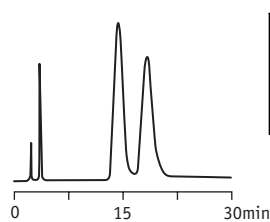
Ultron[®] ES Chiral Columns

Promethazine



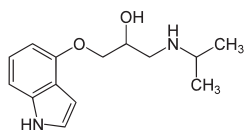
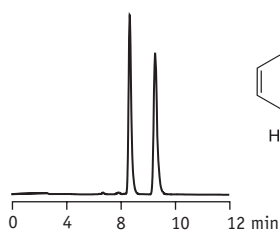
Column: Ultron ES-OVM 3 μ m, 4.6x150mm
Mobile Phase: 20mM KH₂PO₄ (pH3.0)/C₂H₅OH (100/5)
Flow Rate: 1mL/min
Column Temp: 25 °C
Detection: UV 220nm

Mepenzolate Bromide



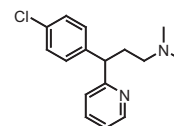
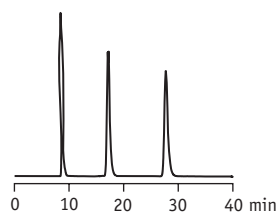
Column: Ultron ES-OVM 3 μ m, 4.6x150mm
Mobile Phase: 20 mM KH₂PO₄ (pH = 4.6)
Flow Rate: 1mL/min
Column Temp: 25 °C
Detection: UV 220nm

Pindolol



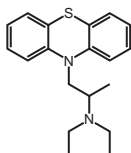
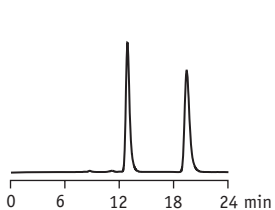
Column: Ultron ES-OVM 3 μ m, 4.6x150mm
Mobile Phase: 20mM KH₂PO₄ (pH5.5)/C₂H₅OH (100/30)
Flow Rate: 1mL/min
Column Temp: 25 °C
Detection: UV 220nm

Chlorphenamine



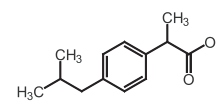
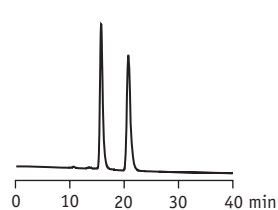
Column: Ultron ES-OVM 3 μ m, 4.6x150mm
Mobile Phase: 20mM KH₂PO₄ (pH5.0)/CH₃CN (100/5)
Flow Rate: 1mL/min
Column Temp: 25 °C
Detection: UV 220nm

Profenamine



Column: Ultron ES-OVM 3 μ m, 4.6x150mm
Mobile Phase: 20mM KH₂PO₄ (pH4.6)/C₂H₅OH (100/25)
Flow Rate: 1mL/min
Column Temp: 25 °C
Detection: UV 220nm

Ibuprofen



Column: Ultron ES-OVM 3 μ m, 4.6x150mm
Mobile Phase: 20mM KH₂PO₄ (pH3.0)/CH₃CN (100/5)
Flow Rate: 1mL/min
Column Temp: 25 °C
Detection: UV 220nm