Expert on Flash Chromatography

Single Channel Automated Flash Chromatography System AI-580S

State-Of-The-Art User-friendly Software



Intelligent & Eco-Friendly!

Fast and Efficient Separation

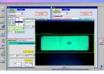
A target compound will always elute at around 4-column volume, which is equivalent to the Rf0.25 solvent strength, regardless of column size and flow rate, minimizing the run time while achieving a good separation.

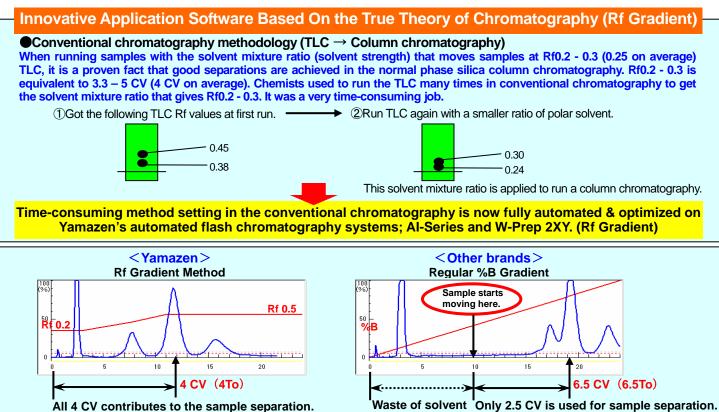
Minimize Solvent Use and Waste Disposal.

Poor separation with a lot of solvent use

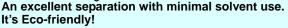
"NEW" AI-580S

TLC Image Reader will measure the Rf value, and the value will be automatically input as a parameter for the Automatic Method Setting.





All 4 CV contributes to the sample separation



System Specifications

Controller	Laptop or Desktop			
Application software	 Eluting position controllable "RF Gradient" Method 4-column volume elution of the target compound minimizes solvent use and waste disposal. Cost is drastically saved and It's Eco-friendly! Changes method parameters on the fly. Scale up - Transfer method from one size column to another. 			
Slow gradient to apply for high polar solvents	Slow gradient of 1-7% is possible.			
Pumping system, Model No.580S	0-80ml/min, 1.0Mpa (145psi)			
Fixed wavelength UV detector, Model prepUV-254	254nm			
Variable wavelength UV detector, Model prepUV-10V	190-380nm			
UV-VIS detector, Model prepUV/VIS-10V	190-600nm			
Fraction collector, Model FR-360	A pair of the rack, X-Y driven, fraction modes of Time, Peak, Peak & Slope & Manual Collect			
Floor space (W x D x H) H = height of column stand	50 x 45 x 78cm (19.7x 17.7 x 30.7 inch)			
Certifications	JIS and CE			
Options	Solvent & waste level monitor, TLC Image reader, Column air purge			

Specifications of test tube racks

When ordering the rack please specify the Cat. Number.

Racks for U.S. standard test tube sizes			Racks for Japanese standard test tube sizes				
Cat No.	Pin Code	Fraction Volume (Default)	Test Tube Sizes (mm)	Cat No.	Pin Code	Fraction Volume (Default)	Test Tube Sizes (mm)
AI13100	А	7ml	13x100x75 pieces	AI15150	А	15ml	15x150x75 pieces
AI15125	А	12ml	15x125x75 pieces	AI18180	В	30ml	18x180x75 pieces
AI16125	А	15ml	16x125x75 pieces	Al24180	С	60ml	24x180x30 pieces
AI16150	А	16ml	16x150x75 pieces	Al30180	D	90ml	30x180x27 pieces
AI18150	В	22ml	18x150x75 pieces	AI30200	D	100ml	30x200x27 pieces
AI25150	С	45ml	25x150x30 pieces	Al60180	E	350ml	60x180x10 pieces
AI25200	С	56ml	25x200x30 pieces				

System specifications are subject to change without notice.



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