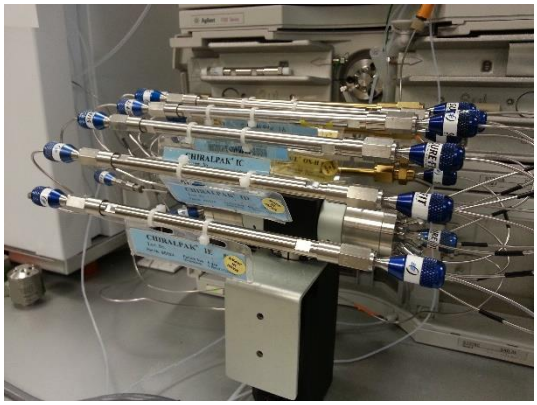
MCCPS System (Multiple Column Cleaning & Pre-Conditioning and Screening)



ITEM DESCRIPTION

10-Column Capacity Column Selector* integrated with proprietary software that introduces a specialized 2-Phase Method Development Process. Use the MCCP Program to first rapidly clean & pre-condition upwards of 10 columns in a single process. Then use the MCS Program to sequentially screen upwards of 10 columns in a single process.

*tubing, fittings, and ferrules included

KEY FEATURES

- Automated Column Cycling/Selection
- Resource Savings via Specialization
  - Time, Samples, Solvents
- Minimal Lab Footprint (~1ft^3)
- Column Position Display
- Simple & Intuitive User Interface

BENEFITS OF SPECIALIZED 2-PHASE METHOD DEVELOPMENT PROCESS

To illustrate, let us assume the following in this example: 10 unique columns; 5min/column Cleaning & Pre-Conditioning Method; 20min/column Screening Method (injection); Let D = Distraction Cost (for user to put down everything & return to the HPLC System). Also note a common practice of injecting a sample 3x to achieve: (1) column equilibration (2) sample injection (3) injection confirmation.

Conventional Method Development

Time	Task
2	Column Setup
63	Sample Analysis
1	Configure Method
2	System Startup (reaching method parameters)
20	Injection - C&P
20	Injection - Analysis
20	Injection - Analysis Confirmation
1	Column Removal
D	Distraction Cost
66+D	Column Total
	x(10)
	FINAL TOTAL
	660min+10D = 11hrs + 10(Distraction Cost)

MCCPS System Method Development

Time	Task
20	Column Setup
	2min x 10columns
53+D	Column Cleaning & Pre-Conditioning
1	Configure C&P Run
2	System Startup
50	Specialized C&P (5min x 10columns)
D	Distraction Cost
203+D	Column Screening
1	Configure Screening Run
2	System Startup
200	Specialized Screening (20min x 10columns)
D	Distraction Cost
276+2D	Total
	FINAL TOTAL
	276min+2D = 4hrs 36min + 2(Distraction Cost)

Total Time Saved: 6 hours and 24 minutes & 5 times fewer Distraction Costs

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