

PO BOX 19146 Newbury Park, CA 91319-9146 Email: <u>support@jdchrom.com</u> Website: www.jdchrom.com

Drawing from over 30 years of industrial experience in the chromatography field, JD Chrom develops lab automation products designed to increase efficiency, boost productivity, and promote convenience in the art of separation. Best exemplified by the Automated Column Screening Package below, JD Chrom products will save you time and money while delivering unmatched efficiency and ease-of-use.

MCCPS System <u>M</u> ultiple <u>C</u> olumn <u>C</u> leaning & <u>P</u> re-Conditioning and <u>S</u> creening An accessory system enabling a unique 2-Phase Method Development Process, capitalizing on task specialization and its high 10 column capacity column selector, to make your method development over 200% faster!	 MCCP Program <u>M</u>ultiple <u>Column Cleaning & Pre-Conditioning</u> Essential in Phase-1: Cleaning & Pre-Conditioning, the MCCP Program cycles through selected columns as mobile phase is passed to flush and equilibrate up to 10 columns in a single easy-to-configure process.
MCS Program <u>Multiple Column Screening</u> Essential in Phase-2: Screening, the MCS Program coordinates column selection with injections from your system to screen up to 10 columns in a single easy-to- configure process.	Chromatogram Stacking Program Instantly load an entire subdirectory of chromatograms to view and compare in a scrollable Display Window easily fitting up to 8 chromatograms on-screen. Options to save and print are available for data sharing.
Sequence Builder Easily build intricately detailed sequence tables while only defining sequence table parameters (e.g. sample location, method, column choice) once. Save and import directly into ChemStation and run immediately.	ACS Package <u>A</u> utomated <u>C</u> olumn <u>S</u> creening Save on revolutionizing your method development by purchasing this product bundle! Includes the MCCPS System, Chromatogram Stacking Program, and Sequence Builder.

REFERENCE SITE 1: AMGEN

1 Amgen Center Dr. Thousand Oaks, CA 91320 United States of America

REFERENCE SITE 2: CTI USA

800 North Five Points Road West Chester, PA 19380 United States of America

REFERENCE SITE 3: CTI INDIA

Lab No. 4A, Phase III, IKP Knowledge Park Genome Valley, Turkapally, Shameerpet, Ranga Reddy District Hyderabad-500 078, Telangana

JD Chrom: A Solution for Rapid Method Development

(1) Streamlined Sequence Table Construction

Define Sequence Parameters (Sample, Method, Column, etc.) Once * Build Entire Sequence Tables with a Single Click * Adaptive Modes of Input * Import Directly into ChemStation

(2) Specialized Column Cleaning & Pre-Conditioning

Prepare Up to 10 Columns for Injection in a Single Process * Automated Column Cycling * Efficiency from Batch Processing

(3) Specialized Column Screening

Inject Sample Into Up to 10 Columns for Analysis in a Single Process * Automated Column Cycling * Synchronized with Sample Injection * Efficiency from Batch Processing

(4) Instant Chromatogram Viewing

One-Click Directory Loading * Alphanumerical Ordering * Easily View 10+ Chromatograms at Once * Print/Save in One of Two Available Options to Share with Others



Sequence Builder



Multiple Column Screening Program



 Line
 Val.5 Sample Name
 Mothod Hame
 Mothod Hame

Imported Sequence Table

JD Multip	D Multiple Column Cleaning & Pre-Conditioning											
File Settings Open Screening COM1												
Cleanin	g Columns:	1	2	3	4 □	5	6 V	7 IV	8	9	10	0 seconds 0
Time:	Time: 5 minutes 10 minutes seconds											
	Start											
Current	Current Port											
c 1	2 C	3 C	4 (•	5 C	6 C	7 C	° C	9	10 C		Сору	rright © 2013 JD Chrom

Multiple Column Cleaning & Pre-Conditioning Program



Chromatogram Stacking Program

PO Box 19146 Newbury Park, CA 91319-9146 Email: support@jdchrom.com Website: www.jdchrom.com

MCCPS System (Multiple Column Cleaning & Pre-Conditioning and Screening) Copyright 2013



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 & precondition upwards of 10 columns in a single process. Then use the MCS Program to sequentially screen upwards of 10 columns in a single process.



KEY FEATURES

- Automated Column Cycling/Selection
- Resource Savings via Specialization

 Time, Samples, Solvents
- Minimal Lab Footprint (~1ft³)
- Column Position Display
- Simple & Intuitive User Interface

*tubing, fittings, and ferrules included

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.

	•					
Task						
Column Se	tup					
Sample An	alysis					
1	Configure Method					
2	System Startup (reaching method parameters)					
20	Injection - C&P					
20	Injection - Analysis					
20	Injection - Analysis Confirmation					
Column Re	emoval					
Distraction	1 Cost					
Column To	tal					
x(10)						
FINAL TOT	AL					
660min+10	D = 11hrs + 10(Distraction Cost)					
	Task Column Se Sample An 1 2 20 20 20 Column Re Distraction Column To x(10) FINAL TOT 660min+10					

Conventional Method Development

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



PO Box 19146 Newbury Park, CA 91319-9146

MCCP Program (Multiple Column Cleaning & Pre-Conditioning) Copyright 2013





ITEM DESCRIPTION

Included in the MCCPS System, the MCCP Program is integral to Phase 1 (Cleaning & Pre-Conditioning) of the MCCPS System's specialized 2-Phase Method Development Process. The streamlined user interface provides a fast, easy, and intuitive way to set up a cleaning & pre-conditioning process for upwards of 10 columns.

KEY FEATURES

- Automated Column Cycling/Selection
- Resource Savings via Specialization

 Time, Samples, Solvents
- Simple & Intuitive User Interface
- Easy Column Selection via MCCP Program UI
- Time Display
 - o Current Column & Total Run Time

MCCP PROGRAM'S ROLE IN SPECIALIZED 2-PHASE METHOD DEVELOPMENT

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.

Time	Task	
2	Column Se	tup
63	Sample An	alysis
	1	Configure Method
	2	System Startup (reaching method parameters)
	20	Injection - C&P
	20	Injection - Analysis
	20	Injection - Analysis Confirmation
1	Column Re	emoval
D	Distraction	1 Cost
66+D	Column To	tal
	x(10)	
	FINAL TOT	AL
	660min+10	D = 11hrs + 10(Distraction Cost)

Conventional 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 in PHASE-1: 3 hours and 27 minutes & 10 times fewer Distraction Costs

260 minutes & 10 Distraction Costs VS 53 minutes & 1 Distraction Cost



PO Box 19146 Newbury Park, CA 91319-9146

MCCPS System Method Development

MCS Program (Multiple Column Screening) Copyright 2013

	M	ultip	le Column So	reening						x
Γ	File	F	references	Open Clean	ing	Help	E:\ArbitratyT	estFolder\Exa	ample Use	r 02\Exan
			COM		Port			1		
		1	1		1			seconds		
		2	1		2			50		
		3	1		3			seconds		
		4	1		4				Stop	
		5	1		5				Stop	
		6	1		6					
		7	1		7					
		8	1		8					
		9	1		9					
		10	1		10					
	*	11								
L										
L										
								Copyri	ght © 2013 J	D Chrom



ITEM DESCRIPTION

Included in the MCCPS System, the MCS Program is integral to Phase 2 (Screening) of the MCCPS System's specialized 2-Phase Method Development Process. The streamlined user interface provides a fast, easy, and intuitive way to set up a screening process for upwards of 10 columns.

KEY FEATURES

- Automated Column Cycling/Selection
- Resource Savings via Specialization
 - Time, Samples, Solvents
- Simple & Intuitive User Interface
- Time Display
 - o Current Injection & Total Run Time

MCS PROGRAM'S ROLE IN SPECIALIZED 2-PHASE METHOD DEVELOPMENT

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.

	conven	dona methoa Berelopment							
Time	Task								
2	Column Se	Column Setup							
63	Sample An	alysis							
	1 Configure Method								
	2	System Startup (reaching method parameters)							
	20 Injection - C&P								
	20	Injection - Analysis							
	20	Injection - Analysis Confirmation							
1	Column Re	emoval							
D	Distraction	n Cost							
66+D	Column To	tal							
	x(10)								
	FINAL TOT	AL							
	660min+10	D = 11hrs + 10(Distraction Cost)							

Conventional Method Development

MCCPS System Method Development



Total Time Saved in PHASE-2: 4 hours and 17 minutes & 10 times fewer Distraction Costs

460 minutes & 10 Distraction Costs VS 203 minutes & 1 Distraction Cost



PO Box 19146 Newbury Park, CA 91319-9146

Chromatogram Stacking Program Copyright 2013



ITEM DESCRIPTION

The Chromatogram Stacking Program boasts a streamlined interface designed to provide an easy way to quickly view, compare, and share chromatograms in the method development process. Compare an entire directory of chromatograms and print/save in one of two available options.

KEY FEATURES

- Instant Loading of All Chromatograms in a Given Directory
- Alphanumerical Ordering
- Hide/Remove Chromatograms
- Two Options to Print Chromatograms Present in the Display Window
- Double-Click a Chromatogram to View Full Size in a Pop-Out Window

EXAMPLE PRINTOUTS

When printing, the CS Program will print only those currently present in the Display Window. The two available options for printing chromatograms are displayed below. Note: in the 1-Per-Page Printout, the chromatogram's filepath is also displayed for easy data retrieval.





PO Box 19146 Newbury Park, CA 91319-9146

Sequence Builder Copyright 2014

Sequence Builder					Sequence Table: INSTRUMENT 1
File Views					Currently Running
anarata fanuanza					Line Method Vial Inj.
A sequence			Maria Maria	Projest	
Kedning tutormation			view Options		Sample Into for Vial
123 ABCD	Dept.XYZ	15	Simple •	Preview Sequence:	
Sample Identifie	r #1 Identifier #2	Injection		Location Sample Name Method Name Inj/Vial Datafile Volv	nt l
recation		Volume		123 ABCD-Dept.XYZ EX.Method.03 1 ABCD-Dept.XYZ 15	
Current default method	Not assigned	Method in datafile n	ame: 🧟 Yes 🔘 No	123 ABCD-Dept.XYZ EX.Method.03 1 ABCD-Dept.XYZ 15	
Selected method:* EX.M	lethod.03		Preview	123 ABCD-Dept XYZ EX.Method.03 1 ABCD-Dept XYZ 15	Line Vial Sample Name Method Name Inj/Vial Datafile Inj Volume
"Seq	uence uses default met	thod if name selected		172 (BCD Dept WZ E) Method 02 1 ABCD Dept WZ 15	1 Vial 123 ABCD-DeptXYZ EX.Method 03 1 ABCD-DeptXYZ-EX.Method 03-C.01.AD-01 15
				123 Appropriate Demonstration 1 Appropriate 13	2 Vial 123 ABCD-DeptXYZ EX Method.03 1 ABCD-DeptXYZ-EX.Method.03-C.02.OD-01 15
				123 ABCD-Dept.XYZ EX.Method.03 1 ABCD-Dept.XYZ 15	3 Vial 123 ABCD-DeptXYZ EX.Method.03 1 ABCD-DeptXYZ-EX.Method.03-C.03.AS-01 15
				123 ABCD-Dept.XYZ EX.Method.03 1 ABCD-Dept.XYZ 15	4 Vial 123 ABCD-DeptXYZ EX.Method.03 1 ABCD-DeptXYZ-EX.Method.03-C.04.0J-01 15
				123 ABCD-Dept.XVZ EX.Method.03 1 ABCD-Dept.XVZ 15	5 Vial 123 ABCD-DeptXYZ EX.Method 03 1 ABCD-DeptXYZ-EX.Method 03-C.05.IC-01 15
				123 48CD-Dant WZ EX Method 03 1 48CD-Dant WZ 15	6 Vial 123 ABCD-DeptXYZ EX.Method.03 1 ABCD-DeptXYZ-EX.Method.03-C.06.ID-01 15
					7 Vial 123 ABCD-Dept.XYZ EX.Method.03 1 ABCD-Dept.XYZ-EX.Method.03-C.07.JF-01 15
				123 ABCD-Dept.Atz D.Method.03 1 AbCD-Dept.Atz 15	8 vial 123 ABCD-DeptXYZ EX Method 03 1 ABCD-DeptXYZ-EX Method 03-C 08 AY-01 15
				123 ABCD-Dept.XVZ EX.Method.03 1 ABCD-Dept.XVZ 15	9 Vial 123 ABCD-DepLXYZ EX.Method.03 1 ABCD-DepLXYZ-EX.Method.03-C 09.0X-01 15
				Emplo CDV	10 Viai 123 ABCD-DeptXYZ EX.Method.03 1 ABCD-DeptXYZ-EX.Method.03-C:10.02-01 15
				Save to CSV	
				Clear Preview	
columns					
Active Column Jer				Saved Column Sets:	
#1 C.01.AD	#6 C.06	LID.		Save/Add Set Import Set Basic Operations.Set	
#2 C.02.0D	#7 C.07	1.0F			
#3 C.03.AS	#8 C.08	LAY		Add set to List Load set	
#4 C.04.01	#9 C.09	NOX	Load Default	Allow deletion: 💮 Yes 💩 No	
#5 C.05.3C	#10 C.10	1.0Z	Set As Default	Delete Set Delete Set/File	invest control of the second s
					Inset/FilDown Wizard Uno Witerd Help
Available Available	Methods Available C	alumns			Sample location flavore another to a provine tion black 1

ITEM DESCRIPTION

The Sequence Builder is an easy-to-use and streamlined program that drastically simplifies the sequence building process. Define sequence parameters (sample location, injection volume, methods, column sets) only once and build a detailed sequence table which can be imported directly into ChemStation.

KEY FEATURES

- Adaptive User Interface
- Define Sequence Parameters Once
- Save Methods, Method Favorites, Column Sets
- Import Entire Methods Directory (Every Defined Method) From ChemStation

ADAPTIVE USER INTERFACE

The Sequence Builder has several modes of operation: Simple, Simple + Add Single, and Multiple. These modes are specialized for sequence table creation depending on the different combinations of how many samples you wish to screen, how many columns you have, and how many methods you plan to use.

Sequence Builder Multiple Samples & Methods Interface

Very Options Preview Preview Sequence Preview Sequence: Very Options Preview Sequence: Current detail method: Method in didate name: Yes Sample Sample: Method Method 123 123.84 Detet All 123 Detet All Detet All Methods Methods Detet All 123 Detet All Detet All 123 Detet All Detet All 134 Detet All Detet All 143 Detet All Detet All 155 Detet All Detet All 155 Detet All Detet All 16 Inspect Sample Methods Inspect Sample Methods 16 Detet All D

	А	В	С	D	E	F
1	Location	Sample Name	Method Name	Inj/Vial	Datafile	Volume
2	123	123.ABCD	EX.Method.01.M	1	123.ABCD-EX.Method.01-Column.01-01	15
3	123	123.ABCD	EX.Method.01.M	1	123.ABCD-EX.Method.01-Column.02-01	15
4	123	123.ABCD	EX.Method.01.M	1	123.ABCD-EX.Method.01-Column.03-01	15
5	123	123.ABCD	EX.Method.01.M	1	123.ABCD-EX.Method.01-Column.04-01	15
6	123	123.ABCD	EX.Method.01.M	1	123.ABCD-EX.Method.01-Column.05-01	15
7	124	124.EFGH	EX.Method.01.M	1	124.EFGH-EX.Method.01-Column.01-01	15
8	124	124.EFGH	EX.Method.01.M	1	124.EFGH-EX.Method.01-Column.02-01	15
9	124	124.EFGH	EX.Method.01.M	1	124.EFGH-EX.Method.01-Column.03-01	15
10	124	124.EFGH	EX.Method.01.M	1	124.EFGH-EX.Method.01-Column.04-01	15
11	124	124.EFGH	EX.Method.01.M	1	124.EFGH-EX.Method.01-Column.05-01	15
12	125	125.IJKL	EX.Method.01.M	1	125.IJKL-EX.Method.01-Column.01-01	15
13	125	125.IJKL	EX.Method.01.M	1	125.IJKL-EX.Method.01-Column.02-01	15
14	125	125.IJKL	EX.Method.01.M	1	125.IJKL-EX.Method.01-Column.03-01	15
15	125	125.IJKL	EX.Method.01.M	1	125.IJKL-EX.Method.01-Column.04-01	15
16	125	125.IJKL	EX.Method.01.M	1	125.IJKL-EX.Method.01-Column.05-01	15
17	123	123.ABCD	EX.Method.02.M	1	123.ABCD-EX.Method.02-Column.01-01	15
18	123	123.ABCD	EX.Method.02.M	1	123.ABCD-EX.Method.02-Column.02-01	15
19	123	123.ABCD	EX.Method.02.M	1	123.ABCD-EX.Method.02-Column.03-01	15
20	123	123.ABCD	EX.Method.02.M	1	123.ABCD-EX.Method.02-Column.04-01	15



PO Box 19146 Newbury Park, CA 91319-9146 Email: <u>support@jdchrom.com</u> Website: www.jdchrom.com

Constructed Sequence Table

Application Example 1: Multiple Column Cleaning Operation

Operation Detail: A set of 10 columns spent 2 min. each in the cleaning process. Each peak represents the residual compounds from the column. These cleaned columns are now ready for the pre-conditioning phase.

Cleaning conditions: Flow rate =4.0 mL/min. Mobile phase: A/B (50/50) A: Methanol, B: Liquid CO₂.

Multiple Column Cleaning & Pre-Conditioning Settings

JD Multiple Colum	n Cleaning & Pre-C	onditioning					_ D _ X
File Settings	Open Screening	COM not set.					
Cleaning Columns:	1 2 3	4 5 ▼ ▼	6 🔽	7 8 V	9 🔽	10 I	0 seconds
Time: 5 minute	s <u>10 minutes</u>	2	mir	nutes			0 seconds
Start							
		Start					

Resultant Chromatogram





PO Box 19146 Newbury Park, CA 91319-9146

Application Example 2: Ten Column Screening of a Racemate using Supercritical Fluid Chromatography

Experimental Condition:

Instrument: Agilent Aurora-SFC-MSD system

All chiral columns are from Chiral Technologies, and column dimensions are 2.1 mm x 100 mm, 3 µm.

Flow Rate: 1.0 mL/min, gradient: Mobile Phase A: Liquid CO₂, B: Organic Solvent

Time =0 min, A/B 10/90, T=3 30/70, T=3.5 30/70, T=3.9 90/10, T=4.0 90/10

Column Arrangement:

Columns Active Column Set		C Additional Column Sets
#1 AD-H	#6 IF	Saved Column Sets:
#2 OD-H	#7 AY	Save/Add Set Import Set Ter-110 CSPs
#3 AS-H	#8 AZ	Add Set to List Load Set
#4 OJ-H	#9 OZ	Load Default Allow deletion: O Yes 💿 No
#5 IC	#10 OX	Set As Default Delete Set Delete Set/File
Methods Favorites Available Meth	hods Available Columns	

Multiple Column Screening Setup

JC	Multip	le Column Screening		
	File Pr	references Open Cleaning) Help	
		СОМ	Port	0
	▶ 1	5	1	seconds
	2	5	2	0
	3	5	3	seconds
	4	5	4	Start
	5	5	5	
	6	5	6	
	7	5	7	
	8	5	8	
	9	5	9	
	10	5	10	
	* 11			
				Copyright © 2014 JD Chrom

Sequence Setting

File Views														
	Generate Sequence	,												
	Required Information					View Options	Preview							
	12	12 Name Sample-1				Simple 🗸	Preview Sequence:							
	Sample	Identifier #1	Identifier #2	Injection			Loca	Sample Name	Method Name	Inj∕Vi	Datafile	Vol 🔨		
	Constraint	and the second	Mathod in datafile par			12	Name-Sample-1	Gerneric Gradient 10	1	Name-Sample-1-Gerneric	15			
	Current default method: Not assigned Method in datanie nan						12	Name-Sample-1	Gerneric Gradient 10	1	Name-Sample-1-Gerneric	15		
	Selected met	hod:* Gerneric Gr	adient 10-70.M			Preview	12	Name-Sample-1	Gemeric Gradient 10	1	Name-Sample-1-Gerneric	15		
		"Sequence (uses default metho	d if none selected			12	Name-Sample-1	Gerneric Gradient 10	1	Name-Sample-1-Gerneric	15		
							12	Name-Sample-1	Gemeric Gradient 10	1	Name-Sample-1-Gerneric	15		
							12	Name-Sample-1	Gerneric Gradient 10	1	Name-Sample-1-Gerneric	15		
							12	Name-Sample-1	Gemeric Gradient 10	1	Name-Sample-1-Gerneric	15		
							12	Name-Sample-1	Gerneric Gradient 10	1	Name-Sample-1-Gerneric	15		
							12	Name-Sample-1	Gerneric Gradient 10	1	Name-Sample-1-Gerneric	15 🗸		
							<)	>		
							S	ave to CSV						
							CI	ear Preview						



PO Box 19146 Newbury Park, CA 91319-9146

Printout of Screening Results using JD Chrom's Proprietary Chromatogram Stacking Program



1 minute is sufficient to display & print all chromatograms here.

*Chromatograms were drawn at both 215 and 254 nm for each column screening.



PO Box 19146 Newbury Park, CA 91319-9146

Stacked Chromatograms using Agilent ChemStation Software

30 minutes is the approximate length of time required to display all chromatograms as below.



*Chromatograms were drawn at 215 nm.



Application Example 3: Ten Column Screening of a Racemate using Supercritical Fluid Chromatography

Experiment Condition:

Instrument: Agilent Aurora-SFC-UV system.

All chiral columns are from Chiral Technologies, and column dimensions are 4.6 mm x 150 mm, 5 µm.

Flow Rate: 4.0 mL/min, 10% Ethanol and 90% Liquid CO₂

Column Arrangement:

⊂Colum ⊂Acti	ins ive Column Set	Additional Column Sets
#	1 AD-H #6 ID	Saved Column Sets:
#:	2 OD-H #7 IF	Save/Add Set Import Set Iner-ID-ID CSP'S
#	3 AS-H #8 AY	Add Set to List Load Set
#	4 OJ-H #9 OX	Load Default Allow deletion: O Yes No
#	5 IC #10 OZ	Set As Default Delete Set Delete Set/File
Metho	ds Favorites Available Methods Available Colur	าก

Printout of Screening Results using JD Chrom's Proprietary Chromatogram Stacking Program



1 minute is sufficient to display & print all chromatograms here.



PO Box 19146 Newbury Park, CA 91319-9146

Application Example 4: Twenty Column Screening of a Racemate using Supercritical Fluid Chromatography

Experiment Condition:

Instrument: Agilent Aurora-SFC-UV system

Column dimensions: 4.6 mm x 150 mm, 5 μ m

Flow Rate: 4.0 mL/min, 20% Isopropanol and 80% Liquid CO₂

Column Arrangement:

⊂ Columns ⊂ Active	Column Set				← Additional Column Sets	
#1	AD-H	#6	ID			Saved Column Sets:
#2	OD-H	#7	IF		Save/Add Set Import Set	Tier-1b-10 CSPs
#3	AS-H	#8	AY		Add Set to List	Load Set
#4	OJ-H	#9	0X	Load Default	Allow deletion: 🔘 Yes 💿 No	
#5	IC	#10	OZ	Set As Default	Delete Set Delete Set/File	
Methods	Favorites Available Methods	S Available	Columns			
- Columna	s Column Set				Additional Column Sets	
- Columna - Active #1	Column Set	#6	YOD-CC		Additional Column Sets	Saved Column Sets:
Column: Active #1 #2	Column Set	#6 #7	Y0D-CC W0-1		Additional Column Sets Save/Add Set Add Set Import Set	Saved Column Sets:
- Column: - Active #1 #2 #3	Column Set	#6 #7 #8	Y0D-CC W0-1 W0-2		Additional Column Sets Save/Add Set Import Set Add Set to List	Saved Column Sets: Tier-2 10 CSPs Load Set
- Columns - Active #1 #2 #3 #4	Column Set IA IB IE AZ	#6 #7 #8 #9	Y0D-CC w0-1 w0-2 CC-4	Load Default	Additional Column Sets Save/Add Set Import Set Add Set to List Allow deletion: Yes < No	Saved Column Sets: Tier-2 10 CSPs Load Set
Columna Active #1 #2 #3 #4 #5	Column Set IA IB IE AZ YAD-AC	#6 #7 #8 #9 #10	Y0D-CC W0-1 W0-2 CC-4 CC-2	Load Default Set As Default	Additional Column Sets Save/Add Set Import Set Add Set to List Allow deletion: Yes • No Delete Set Delete Set/File	Saved Column Sets: Tier-2 10 CSPs Load Set



Printout of Screening Results using JD Chrom's Proprietary Chromatogram Stacking Program



1 minute is sufficient to display & print all chromatograms at 215 & 254 nm.

JD CHROM

PO Box 19146 Newbury Park, CA 91319-9146