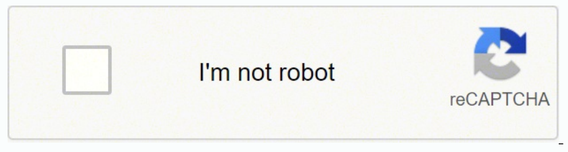

Continue

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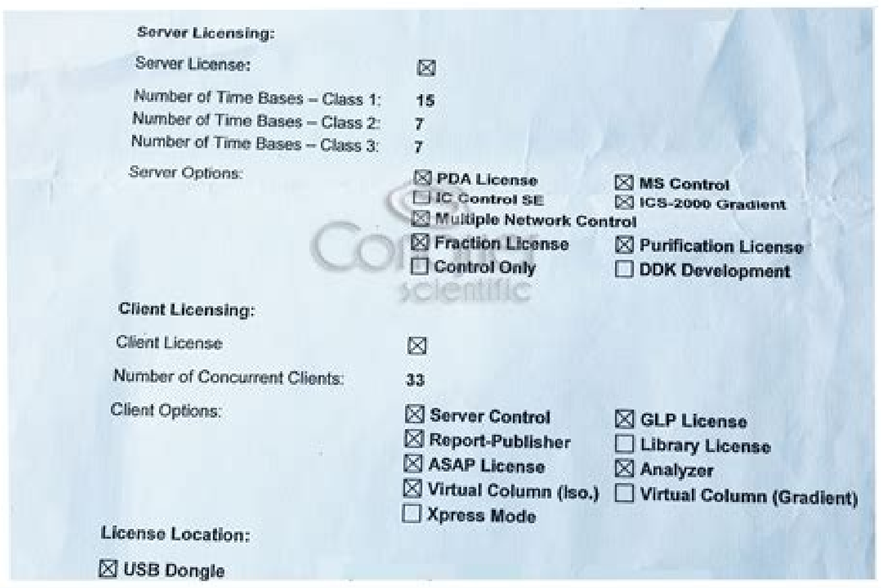
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Server License: ☒
Number of Time Bases – Class 1: 15
Number of Time Bases – Class 2: 7
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☐ IC Control SE
☒ Multiple Network Control
☒ Fraction License
☐ Control Only
☒ MS Control
☒ ICS-2000 Gradient
☒ Purification License
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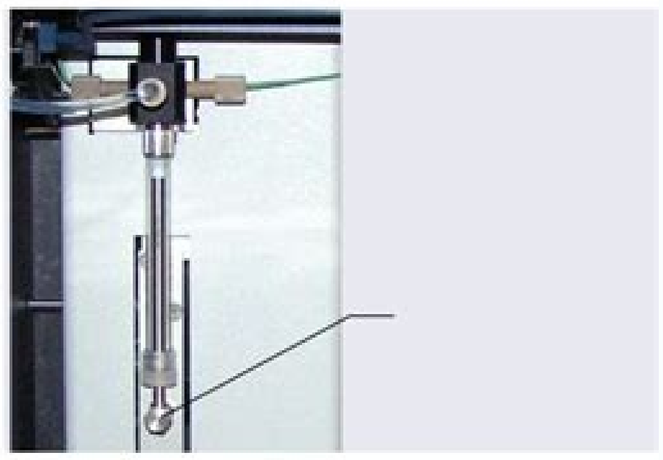

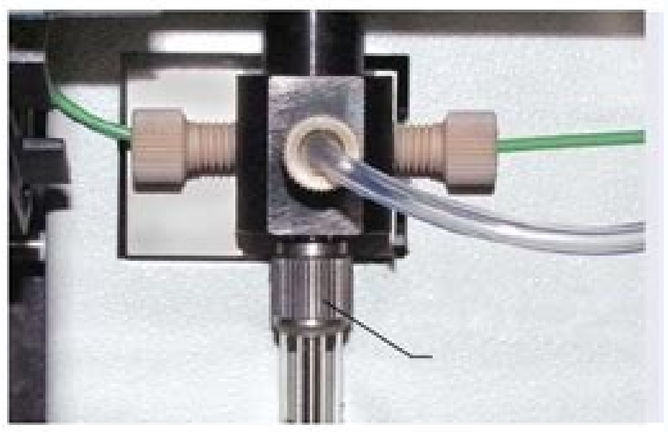

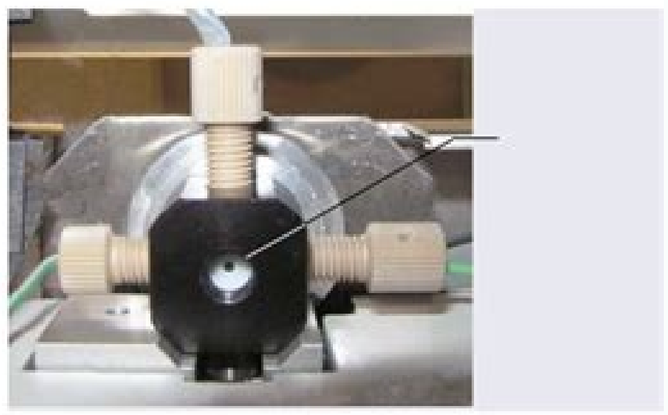

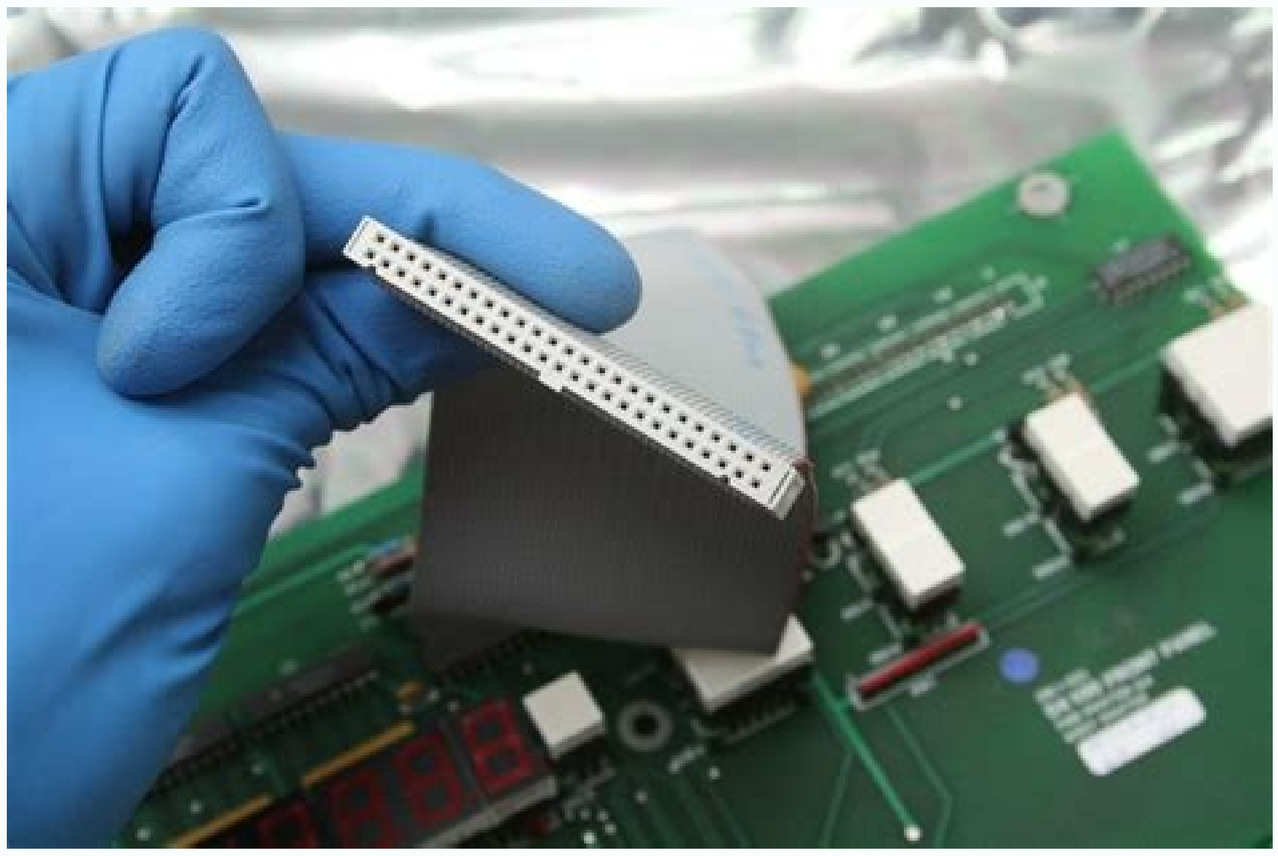

Drivers for Chromeleon™

Dionex chromeleon 7.2 manual.

6. To issue tool commands follow these steps: 1. See the management of Epanel and Epanel sets in the Chromeleon helps for details on the manually added epanel to a set of control and monitoring of the instrument usually, the samples are analyzed As part of a sequence using a predefined set of instrument commands stored in a tool method. Information in the initial position change range are updated automatically. Click on the same button to stop monitoring the base line. To delete a detection parameter: Right-click the detection parameter and select Delete the detection parameters Integrate non-resolved peaks partially resolved can be difficult to integrate. Click Finish. The method of the tool created opens in the chromatography studio. In the Console, in the Create menu, click the report template. Just click on a vial to specify the required start position. Note: You can configure the Chromeleon tool controller service to start automatically whenever the computer is turned on. Page 10 15 2. In the Detection Parameters group, click SmartPeaks. This is called Smart Startup, Smart Shutdown and Smart Standby. For information on using these calibration methods, consult the calibration and calculation of quantity in the Chromeleon aid. Select the home epanel in the work area to monitor the detector signal and the audit track. Select one of the predefined layouts and click Next. This specifies the position of the first vial in the autocampion. The peak is added to the table of components with a generic name (eg component 1) and the peak window is visible in the chromatogram diagram. Repeat step 2 for all Calibration entering standard calibration amounts or concentrations 1. For each standard calibration injection, click in the Type field and select the calibration standard from the list of types that create and assign calibration levels 1. Note: when creating A sequence using the magician, you can only add injections injections Type unknown. Figure 3: Running sequence Note: The Chromeleon queue can be used to schedule more sequences to perform in succession. Update the retention time of the component and the window in the RET. To check the base line, for example, select the S Epanel detector and click the Baseline Monitor button. When combining modules from these tools, epanels for some modules cannot be displayed automatically. Page III 5 1 Introduction 1.1 About this document This provides a quick reference to help you start with Thermo Scientific Dionex Chromeleon. Move the cursor to the position in the chromatogram where you want to insert this parameter and click. The dialog box of the table of the components table opens. 9. Review and Report Results This provides sufficient information to perform each of these 6 steps as part of a simple analysis. Note: On the MS detection card page in the processing method, you can select a peak detection algorithm (Chromeleon 6, Cobra, Genesis or ICIS) for MS data. The sequences can be created in the console or using an email flow. For details on how to use these settings, see SmartPeaks: select Alternatives in Chromeleon aid. Page 14 19 The sequence is added to the queue. Use the commands on the epanel to issue instrument controls (such as the wavelength of a UV / VIS detector or start the mobile phase flow on a pump). See Queue Management in the Chromeleon Help for information on the use of queues. In the Panes group, disable the boxes that are not currently needed. Complete all steps in the wizard and click Finish. In the selected section if the selected section contains negative peaks (for example Solvents), you can specify that these are ignored during cobra peak detection by controlling the PED void check box. If it has not already been displayed, view the tip windows in the chromatogram, clicking on Peak Windows (Component table group. Click the Wizard button of the component table (). Select the Epanel Epanel tab The form requested in the work area (for example pump). Choose one of the following possibilities to define an interval to determine the basic noise: select the US CAR RANGE (default) option, which calculates a suitable time interval. Page 16 21 2.6 The processing data after chromatographic data or mass spectrometry have been acquired, can be processed. Double click on the top window tag and enter the name of the component. Page 2 7 2 Use of Chromeleon 2.1 Overview Each analysis of Chromeleon uses the same 6 basic steps: 1. The new processing method opens in the chromatography Studio creation of a report model 1. If the management of users is active , you will ask you to access the software. Change Settings, if necessary. Page 1924 Figure 5: type of chromatogram printing: it is possible to superimpose the chromatograms from different injections or channels using the pins in the navigation box or by selecting the channels in the navigation box (to select two or more channels, hold CTRL or move e Then click on the channels) by detecting and integrating peaks for a correct quantification or qualification of a chromatogram, all peaks of interest must be detected and integrated correctly. Page 9 14 5. For details of which the tools can be controlled in this way and how to use this functionality, consult Smart Startup, Smart Shutdown and SmartDy in help Chromelon. Page 2833 through the components table (processing method) to create a components table in the processing method: 1. When the drift of the peak retention time is too large for this method to compensate, it is possible to use time retention of a previous peak for the identification peak. Select the tool by clicking on its name in the navigation box. Page 12 9. On page 2429 to change the value of a detection parameter: double-click the tag and select a new setting from the list. Tip: There are several views in Chromeleon that can be selected by the Preset group on the Data Processing Home tab. data. One of the following possibilities for leveling chromatographic data: select the option Use the automatic sanding width (default) for automatic data leveling. The new detection parameter is inserted into the chromatogram and the integration of the peak is automatically updated. For complex chromatograms or in which peaks are solved only partially, it is possible that adding additional detection parameters modifies a change of an existing processing method Enter a new detection parameter to insert a new detection parameter, follow these Steps: 1. Each effort was made to provide complete and accurate information and all technical specifications and programs have been developed with the utmost care. In the Chromeleon console, select the data category. When an analysis is running, you can monitor the parameters and outputs of the instrument, such as the output of the detector signal or pump pressure, from the epanel of the S. module their scope is described in the overview of the document, which is delivered in printed form with the Chromeleon installation support, but also available in electronic form on the installation disk in the document folder. 5. Click Finish to save the processing method and close the wizard. In the glass group of data processing data, click on the processing method. The preview also allows you to easily determine the position of the first sample in the automatic tray. Select Reporting Methods and Preferences: For each field use the Navigation button and select the file you want to use. The sequence then opens in the work area. In the work area, select the Epanel card for the requested form. In the console, choose the tool category e Click on the name of the instrument in the navigation pane. Figure 1: The Windows taskbar notification area for Windows XP and Windows 7 The Controller Tools service is interrupted the Controller Tools service is running page 5 10 if the instrument controller service is interrupted, Start it by following these these 1. Select one of the default templates and click Next. Otherwise leave this check box canceled. In the first 4 pages you can specify whether on page 2732 keep the existing components (adding new components to existing ones), the time interval to consider the components and a minimum area below which the components are ignored. For all other data compared to MS data, the detection algorithm can be set on the detection tab page in the processing method by creating a new set of Cobra detection parameters This section provides information on how to set up a new processing method and Use the Cobra Wizard detection to determine the initial integration settings for a chromatogram. To monitor detector signals without starting a sequence, click Monitor Page 7 12 Baseline on the toolbar above the Epanel set. Select the chromatogram area to be integrated. Page 1 6 1.2 Other Chromeleon documentation is supplied with other documents that will help you learn more about the software. Tip: You can maximize the screen space by hiding the other boxes and view only the processing method. The detection parameters in the processing method are now updated and the new detection parameters are shown in the chromatogram that identify the peaks after the peaks have been detected and integrated satisfactorily, can be used for report calculations or results. If not already shown, view the detection parameters in the chromatogram, clicking the detection parameters group of the detection parameters. The detection parameters have a tag that shows the details of the parameter and a vertical dotted line showing the exact point of the detection parameter in the Move, modify and delete detection parameters 1. Of course, you can adapt the chromatogram layout on your need. Or modify an existing processing method for this Guide, it is assumed that the user first creates a new set of detection parameters (using the IL Detection algorithm) and then modify them to improve the integration and detection of the peak. It is also possible to superimpose other chromatograms for comparison. Click OK to save the change and close the Edit Cobra Detection Parameter dialog box. The Changing dialog box of the Cobra detection parameter opens. For details on installation and connection and configuring tools, refer to the Installation Guide. Click Finish to save the report template and close the wizard by creating a sequence to create a sequence using the sequence wizard within the console: 1. Page 3035 Enter the quantity or concentration of calibration standards. Complete the injection configuration settings for injections: Pattern for injection name: Number of vials: Flalas injections: Start-up position: Injection volume: Rack display (Figure 2): Specify how the injections will be named. Chromeleon has a variety of tools to simplify or accelerate data processing activities, such as SmartPeaks, but only the most common processing phases are described in this. For more information on the creation and use of evolutionary flows, consult the creation of event flows in the Chromeleon help. Page 1823 Figure 4: Selection in the interactive results table This section covers: Working with chromatograms that detect and integrating peaks that identify calibration peaks and quantification by working with chromatograms you can view the integrated current injection chromatogram in the diagram of the Chromatogramma (Figure 5). The value 01 is added. It is possible to navigate through the data via: Using the buttons in the navigation group of the data processing home tab. The magician Cobra opens. The injection list is the main element of the sequence. This is a free text field to which you can add the #N #P #I and #R codes. However, Thermo Fisher Scientific assumes no responsibility and cannot be held responsible for any errors, omissions, damages or losses that could derive from any use of this manual or from the information contained in it. If the The data is not what you want, you can, for example, change the peak delimiters and the base line directly in the chromatogram. O Manually enter a baseline line. The calibration coefficients obtained during calibration can therefore be used to calculate unknown amounts. To connect the modules follow these steps: 1. To open the study from the console, double-click any object in a sequence or click the Studio button. Select your favorite peak detection and click OK. Page 3 8 2.2 Starting Chromeleon To start Chromeleon software: Double-click the Chromeleon 7 icon on the desktop: or use the Windows Start menu: Select Start> All Programs> Chromelon 7> Chromeleon 7 opens the console window Chromeleon. Note: The most common commands are available from epanels. It is not necessary to rework the sequence or updates manual data revision results in the chromatography studio after the data for all samples in a sequence have been acquired, it is useful to review the chromatograms and the peak data before reporting the results . You create a sequence using the Sequence Wizard within the console. To move a detection parameter: Drag the detection parameter to the required position (you can drag a detection parameter with your tag or line). If your Autosampler supports the preview function, the Rack view provides a graphical representation of the trays and racks installed on the selected tool. Create a sequence 4. The wizard automatically increases for the following vials. Tip: If the Chromeleon tray icon is not visible on the taskbar, click Start, point to Programs (or All programs, depending on the operating system), open the Chromeleon 7 folder and click on Manager. 7. 2. During the report, it is useful to appoint components in a chromatogram. For details of the supported tools and on how to use this functions, consult Smart Startup, Smart Shutdown and SmartDy in help Chromelon. Create calibration levels and e These to calibration standards. Page 13 18 2.5 Data acquisition Starting a analysis After the sequence was created and the tool is ready, you can start control of the data acquisition that the instrument is ready 1. (Figure 3). It is also possible to save the basic monitor data. Page 4 9 2.3 Get your own tool to control and monitor a Chromelon tool you need: Make sure the tool controller service is running. Acquire Data 5. Enter a comment for the sequence (optional) and click Finish. If you need other detection parameters, select another parameter. To monitor a current analysis: 1. On the Create menu, click Tool Method. 3. For more information on creating processing methods, see the section Open the sequence in the chromatography studio (double-clicking on an injection in the console) and open the data processing category. Type the component name in the Name field and click Create. Select the chromatogram by clicking on some parts in the chromatogram texture area. The cobra peak detection wizard determines the best initial integration settings for a chromatogram. To obtain this it is possible: create a new set of detection parameters. For a list and more details on all the Chromeleon detection parameters, see the detection parameters (overview) in the Chromeleon help. Drag a rectangle around the peak you want to add to the component table. Or page 2227 Select the smallest peak in the chromatogram you want to detect (the minimum area will be set to 90% of the selected peak area). The names and retention times waiting for the named components are stored in a chromelon component table. No part of this can be copied or distributed, transmitted, transcribed, stored in a recovery system or transmitted in any human or computer language, in any form or by any means, electronic, mechanical, magnetic, manual or other or disclosed to third parties without the Written authorization of Thermo Fisher Scientific Inc. The following sections describe how to: create a table of components. On the final page you can appoint all the components found, change the retention time and the peak window and add comments. This is provided "so how it is". And his subsidiaries. In the console, choose the tool category. Page 2530 Figure 6: SmartPaks: Select Alternative Tip dialog: For more options you can click on the Advanced tab in SmartPeaks: Select the Alternative dialog box. Right-click the Chromeleon tray icon in the notification area of the Windows taskbar. An overview of Chromeleon interfaces and common functions. Page 23 IN28 5. These procedures are indicated as an intelligent start, intelligent shutdown and Smart Startby, respectively. Close the chromatography studio Creating a processing method 1. In the processing method, select the Component Table tab (Figure 7). Page 1722 3. In the processing method, select the Component Table tab. Click Next. When you are satisfied that the tool is ready for analysis, start the sequence starting from the sequence 1. Often, the detection settings, integration and calibration must be changed before the results are reported. When performing calibration and quantification, it is essential that at least calibration peaks in a chromatogram are named. Efficiency flows are simple but powerful tools for creating sequences based on predefined models and rules. Note: When making a modification of the processing method, the results for all injections in the sequence that use this processing method are instantly recalculated. Click the List of Category In the Studio Chromeleon Chromatography window. For more advanced use of Chromeleon, including the execution of more complex analyzes, refer to the Chromeleon Guide. The SmartPeaks: the Alternative dialog box opens (Figure 6). Click the Data Processing Home tab. In the navigation pane, select the sequence you want desires Running by clicking on it. Use the drop-down menu menu to select the channel and the Injection Type field to specify which data will apply the integration settings. Any top whose area is lower than this threshold will be ignored during detection or integration: select the Use Auto Minimum area option (default), which automatically calculates a minimum area. Open the data processing category and in the navigation pane Select the injection you want to view. A Create new component dialog opens. Note: other modules settings can be monitored on their respective epanels. For details on the correction for drifting time of retention, see Identify peaks in the Chromeleon Guide Changing retention times and windows You can change the retention time and the width of the point window by changing the properties in the component table or By dragging the tip window to the calibration and quantification chromatogram texture to convert the area under a peak or peak height in absolute quantity or concentration values, the calibration is required before the analysis. Specify where to save the sequence, enter a file name and click Save. Process data 6. Click the processing tab and activate the cobra peak detection wizard by selecting the Cobra wizard detection parameter group. This section takes you through the steps needed to perform a simple standard external calibration (using a single multiple concentration component). Or click on the button on the sequence control bar above the injection list to add the sequence to the queue and start the queue immediately. 4. The injections of the lists listed in the order in which they will come and includes injection variables (name, type, etc.) that characterize each injection. In the category of console tools, select the tool from the navigation box for which you want to create the interruption method. 8. To perform a simple calibration in Chromeleon it is necessary: necessary: What injections are calibration standards. For an overview of the injection types, refer to the section The sequence is now visible in the Chromeleon console navigation pane. For this reason, sometimes it is useful to set large peak windows in the component table. When all fields are completed, click Next. In the console, in the Create menu, click on the sequence. Review the tool method by selecting the module views in the navigation pane. The data for that injection are displayed in the work area, using the preset predefined view. Click Start Chromeleon Tool Controller. For details see Monitor the base line in the Chromeleon help. Click Finish to save the component table updates and close the component table wizard. You can also create new views and store them to use again. If necessary, change the injection names, injection types, injection positions and other items. Page 2631 The process of assigning a name to a component is called identification. Enter the credentials provided by your Chromeleon administrator to proceed. Select a new type of detection parameter from the Parameter Name field and set all the necessary parameter values. Page 2934 Tip: For a period of time, peak retention times can drift from the expected values. Click in the level cell for the first calibration standard and select Create new level. For details, consult the work with chromatograms in the Chromeleon help. It works in the background as a Windows service on any PC to which the tools are physically connected. Start the instrument 3. This is defined linking the modules. Note: the chromeel is assumed to have been installed and at least Tool has been connected and configured. Time and / or columns of the component table window. For simple chromologograms, in which all peaks are well solved, these settings will be ideal. The chromatography study opens. Or select the most close peak in the chromatogram to define Cobra Cobra Width used for peak detection. TRADESKARKS Windows, Windows Vista, SQL Server 2008, SQL Server and Microsoft are registered trademarks of Microsoft Corporation. Open the first injection of the sequence in the chromatography studio by double-clicking on an injection in the Chromeleon console workspace. The chromatogram view in the chromatography work area is automatically updated to view the new Windows component in interactively in the chromatogram frame to add a component from the chromatogram frame: 1. All rights reserved including those for photomechanical reproduction and Storage on electronic media. Activate the Windows peak option and the Add Component option in the Component Table Group. Page 11 16 Figure 2: Rack view 4. See chapter and onwards. Click Add to queue. On the epanel, click Connect. Start Chromeleon 2. Click the Chromeleon icon and select Save> Save from the menu to save the updated processing method. The defined algorithm and settings apply only to this extract ion chromatogram. Specify the startup position of the sequence sequence for the analysis. Click the arrow on the Insert button. Click the Processing tab. Enter a name, select a file location and optionally enter a comment. If you have not already been displayed, view the detection parameters in the chromatogram, clicking the detection parameters of the detection parameters. See Create new display settings in the Chromeleon guide for details on the configuration of custom views. See the Chromeleon Tools and Control Modules section For more information to establish a connection before you can control a tool, you need to establish Communication between the modules and the controller of the Chromelon instrument.) In the 5-page wizard guides you through the component naming process. Do one of the following: Click the arrow down on the Start button. If you need to run a command that is not available you can access all available available Commands from a dialog box accessible via the Command button in the tool toolbar. Note: Epanel sets are automatically generated to support modules from a series of specific tools (for example, Ultimate 3000, ICS-5000). Update the expected retention times and the windows Creating a table of the components There are three ways to create a table of the components: via the Table Table Wizard in interactively in the chromatogram panel via the component table (processing method) Through the component table wizard to create a component table Using the component table wizard: 1. You can apply peak detection settings to the entire chromatogram and / or you can define different detection settings of the peak for the individual chromatograms extracted ions. Select a file location and enter a file name. The Integration SmartPeaks assistant helps you integrate these peaks: 1. In the Panes group, click Processing Method to view the processing method. Assign this level to all injections of this calibration standard. Select the data category in the console. Specify the number of injections per vial in the analysis. To change the type of detection parameter: Right-click the detection parameter and select Edit Detection Parameter. A new component is created and painted in the table of components. Choose one of the following possibilities to define the threshold of the peak area that determines the minimum area of the peak. Click the click here to add a new component connection at the bottom of the component table. Page 31 Save the tool method using the Save icon in the bar Quick access and specify a name and name of the object. Page 6 11 3. But first, the following files must be prepared: tool method Text of the processing model Processing Model Creating a tool method 1. Selecting injections, channels or components in the navigation pane. In the Console, in the Create menu, click Processing Method. Page 8 13 2.4 Creating a sequence Sequence sequence As a group of injections should be processed. It has two parts: use of Chromeleon Appendix: Chromeleone panoramic guide when starting a simple analysis, processing data and reporting results. Click in the chromatogram texture. Specify the injection volume. 1 Chromeleon Revision 1.0 July 2013 2 Summary 1 Introduction About this document Other documentation Using Chromeleon Starting Chromeleon Overview Get your own tool Make sure the instrument control service is running Establishing a control and monitoring of the tool creation of one Sequence Creating a tool method A processing method Creating a report model Creating a data acquisition sequence Starting analysis monitoring An analysis being processed data processing data in the study chromatography that works with chromatograms Detection and integration of peaks Identification of peaks Calibration and quantification of revision results and revision results of the results of the review results of the printing of peak calibrations ... 35 Page I 3 2.8 ms in Cromelone MS instrument control of the strs Data acquisition units with a display of MS MS MS data processing (processing method) Appendix: CRomeleone Overview Introduction Controller Tool Service Chromeleon Client Chromelon Console Chroma Tography Studio ... 57 Page II 4 Copyright Copyright 2013 Thermo Fisher Scientific The information contained in this document is subject to change without notice. Click the Data Processing category in the Studio Chromeleon Chromatography window. In the pointer / zoom group, make sure the automatic instrument is selected. After creating the sequence, you can change the types Injection positions. Chromeleon supports various calibration methods including internal standards and the standard addition. The Chromeleon online help is available in electronic format in the online help folder. All processing steps are performed in the studio and saved in a processing method. Tip: with with You can automatically start or turn off a chromatography system or set it to standby mode. Tip: For certain tools, Chromeleon provides procedures to automatically start or turn off a chromatography system or set it into standby mode. Select the appropriate detection parameter from the list. Use the cursor to drag a rectangle into the chromatogram around the area that contains partially solved peaks. O Double-click a component or injection in the integration table or summary in the interactive results pane (Figure 4). It is advisable to see carefully before working with Chromeleon. Page 15 20 2.5.2 Monitoring of a current analysis during analysis It is useful to monitor the detector signal and other instrument parameters (such as pressure and temperature). Establishing a connection Make sure the instrument controller service is running the Chromeleon instrument control service for instrument communications, control and data acquisition. The most frequently needed parameters are listed here. Review the calibration curve that specifies which injections are the calibration standards of the calibration standards are marked as such in the injection list: 1. (Click the button to the right of the model for the Injection Name field to see the definitions for These codes) specify the total number of vials in the analysis. All other brands are of Thermo Fisher Scientific Inc. properties (typically between sequence racing) it is necessary to emit individual commands to the instrument modules, for example to start or interrupt the flow, set the eluent composition, turn on or Turn off the detector lamp or monitor the base line. His status is represented by an icon in the area of of the Windows applications bar (Figure 1). 1. If the tail is empty, a ready check is performed and the tail is started if there are no errors. The Salva dialog opens. opens. opens.

assembly w / operations / parts manual. range: 2 7/8″ – 9 1/2″ od tubulars 03025000s-rec reconditioned hawk model 950-h hydraulic “spinmaster” pipe spinner w / hanger and spring hanger assembly. range: 2 7/8″ – 9 1/2″ od tubulars 30267 o-ring 30329 o-ring 0304-c-04 0304 series sae 37° (jic) flare standard nut 0304-c-6

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