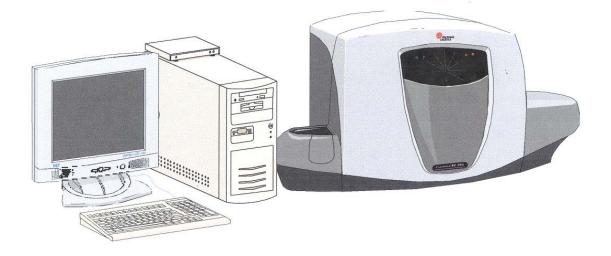
# **Cytomics FC 500 Quick Reference**



PN 722238 RevA (April 2005) Beckman Coulter Inc. Miami Education Center Miami Lakes,



# WARNINGS AND PRECAUTIONS

READ ALL PRODUCT MANUALS AND CONSULT WITH BECKMAN COULTER-TRAINED PERSONNEL BEFOREATTEMPTING TO OPERATE INSTRUMENT. DO NOT ATTEMPT TO PERFORM ANY PROCEDURE BEFORE CAREFULLY READING ALL INSTRUCTIONS. ALWAYS FOLLOW PRODUCT LABELING AND MANUFACTURER'S RECOMMENDATIONS. IF IN DOUBT AS TO HOW TO PROCEED IN ANY SITUATION, CONTACT YOUR BECKMAN COULTER REPRESENTATIVE.

#### HAZARDS AND OPERATIONAL PRECAUTIONS AND LIMITATIONS

WARNINGS, CAUTIONS and IMPORTANTS alert you as follows:

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WARNING	_	Can cause injury.
CAUTION	-	Can cause damage to the instrument.
IMPORTANT	_	Can cause misleading results.

BECKMAN COULTER, INC. URGES ITS CUSTOMERS TO COMPLY WITH ALL NATIONAL HEALTH AND SAFETY STANDARDS SUCH AS THE USE OF BARRIER PROTECTION. THIS MAY INCLUDE, BUT IT IS NOT LIMITED TO, PROTECTIVE EYEWEAR, GLOVES, AND SUITABLE LABORATORY ATTIER WHEN OPERATING OR MAINTAINING THIS OR ANY OTHER AUTOMATED LABORATORY ANALYZER.

#### WARNING Risk of operator injury if:

- All doors, covers and panels are not closed and secured in place prior to and during instrument operation.
- The integrity of safety interlocks and sensors is compromised.
- Instrument alarms and error messages are not acknowledged and acted upon.
- You contact moving parts.
- You mishandle broke parts.
- Doors, covers and panels are not opened, closed, removed and/or replaced with care.
- Improper tools are used for troubleshooting.

#### To avoid injury:

- Keep doors, covers, and panels closed and secured in place while the instrument is in use.
- Take full advantage of the safety features of the instrument. Do not defeat safety interlocks and sensors.
- Acknowledge and act upon instrument alarms and error messages.
- Keep away from moving parts.
- Report any broken parts to your Beckman Coulter Representative.
- Open/remove and close/replace doors, covers and panels with care.
- Use the proper tools for troubleshooting.

**CAUTION** System integrity might be compromised and operational failures might occur if:

- This equipment is used in a manner other than specified. Operate the instrument as instructed in the Product Manuals.
- You introduce software that is not authorized by Beckman Coulter into your computer. Only operate your system's computer with software authorized by Beckman Coulter.
- You install software that is not an original copyrighted version. Only use software that is an original copyrighted version to prevent virus contamination.

#### IMPORTANT

If you purchased this product from anyone other than Beckman Coulter or an authorized Beckman Coulter distributor, and, if it is not presently under a Beckman Coulter service maintenance agreement, Beckman Coulter cannot guarantee that the product is fitted with the most current mandatory engineering revisions or that you will receive the most current information bulletins concerning the product. If you purchased this product from a third party and would like further information concerning this topic, call your Beckman Coulter Representative.

#### **Purpose:**

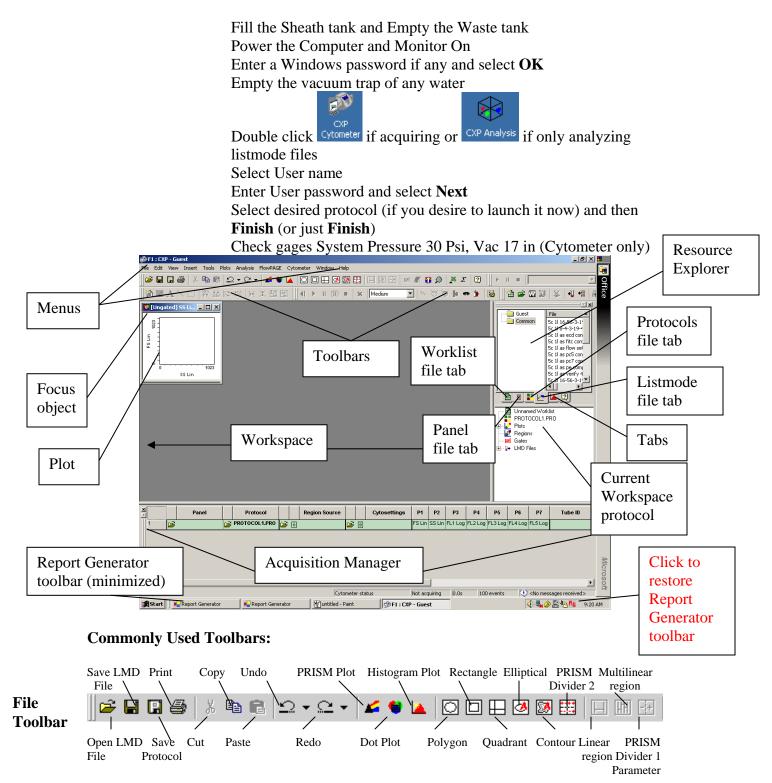
The purpose of this Quick Reference is to provide a simple step by step outline of the information needed to perform various tasks on the system. We begin with basic tasks like starting up or shutting down the system and then proceed to more involved software tasks. It is organized according to the modules in the Cytomics FC 500 Flow Cytometer Training Modules. Major Headings (in blue) are the major groups of tasks. These headings may be further subdivided into subsections of the major task and appear in a logical sequence. For example, the Major task of creating a protocol is subdivided into the subsections: Select Parameters, Create Plots, Instrument Settings, Create Regions, Gate, Analyze, and Save Protocol. A list of the major tasks appears below in the Table of Contents. The Index on the last page also can be used to help locate a specific task or subtask.

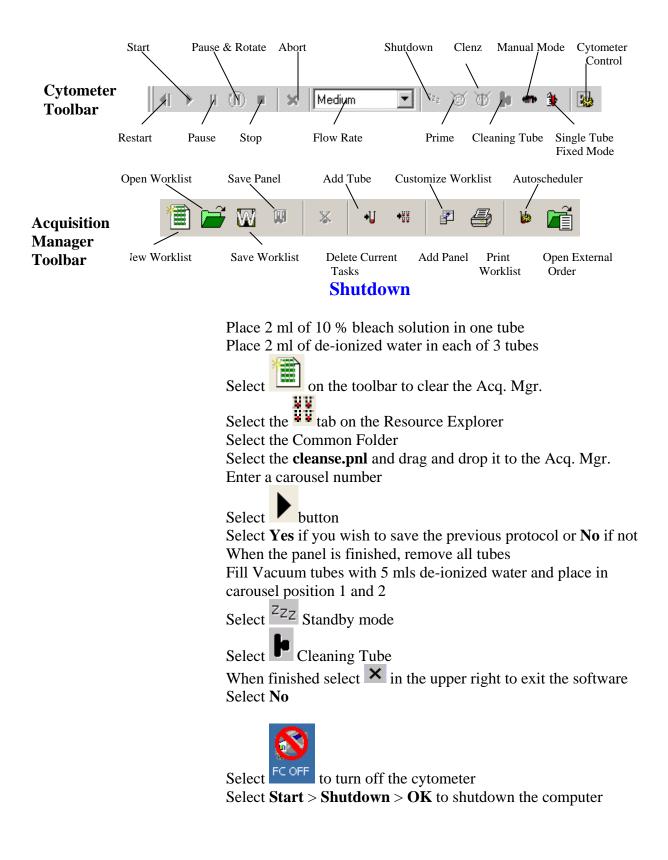
### **Table of Contents**

Startups	P. 5
Shutdown	P. 6
Creating a Protocol	P. 7
Create a FlowPAGE	P. 9
AutoSetup	P. 10
Acquisition Manager	P. 11
Retrieve and Analyze Data	P. 13
Extras	P. 17
Database	P. 19
tetraCXP	p. 22
Reagents List	P. 23
Parts List	p. 23
Index	P. 24

### FC 500 MCL Quick Reference

#### **Startups**





# **Creating a Protocol**

	Select <b>File</b> > <b>New</b> > <b>New Protocol</b> to clear the workspace of all
	but one dotplot
	Select <b>Yes</b> to save old protocol or <b>No</b> if you do not wish to save it
Select Parameters:	Select Cytometer Control on the toolbars
	Select Acq. Setup tab
	Set Duration value and Max events to stop accumulation later
	Select <u>Parameters</u> button
	Deselect unwanted parameters
	Select any desired parameters
	Optional: Set Auxiliary Parameters, Ratio, Time and Derived
	Parameters
	Select <b>OK</b>
	Enter a name and select Save
	_
Create Plots:	Dot Plots (2 parameter) – Select 🤎, Histogram Plot (Single
	parameter)– Select 🞑 Optional: Plots > Density Plot
	Select Parameter(s) and then <b>OK</b>
	Repeat for each plot
	Select each plot Focus (top of the plot) in turn and drag the plot to
	the desired location on the Workspace
	Press <b>CTRL T</b> , select plot size, and then <b>OK</b> to arrange plots
The state of Costiling of	Calast Brah Take Made on the tealbox
Instrument Settings:	Select Single Tube Mode on the toolbar
	Place a sample for the application in position 10 on the carousel
	•
	Select Run
	Term.
	Select Cytometer Control and then the Acq. Setup tab
	Select Setup Mode and QuickSET
	Adjust Discriminator to exclude debris and noise but pass cells
	Adjust the slider bars (top and side of each plot) beginning with
	those to be used as gates for a correct pattern
	Select Acq. Setup tab
	If needed, select <b>QuickCOMP</b> and adjust the compensation using
	A proper sample until X Means match (regions 1 and 3) and Y
	means match (regions 2 and 4) within .1
	Deselect Setup Mode, QuickSET, and QuickCOMP
	- · · · ·
	Allow the system to collect the desired amount of data

	Select to stop or allow the system to reach a stop value
Create Regions	Select each plot in turn and add regions: <b>Dot Plots</b> (2 Parameter Plots only): <i>Polygon</i> - select Move the cursor to starting point on plot and left click Use a click move technique to create all the sides
	back to the starting point Rectangle – select Move the cursor to the starting point and left click to establish one corner of the rectangle Move the cursor to the opposite corner and left Click to complete the rectangle
	Quadrant – Select Move the cursor to plot and left click Move the region to desired position and left click to anchor it Autgogate – Select ellipse or contour Move the cursor to desired population and left click
	Histogram Plots:Linear – Select $\square$ Move the cursor to starting position and left clickMove the cursor to ending position and left clickMultilinear – Select $\blacksquare$ Move the cursor to first position and left clickMove the cursor to end of first region and left clickMove the cursor to end of second region and left clickContinue until all regions have been createdMove cursor to $\boxtimes$ and left click to finish
Gate	Move the cursor to lower right corner of plot to be gated When appears, left click and select Gate If you wish to apply the gate to all plots select that option (Note: later ungate the plot containing the gate region) Optional: Stop Count – select Stop and Save tab and enter count Select <b>OK</b>
Analyze	Select <b>Analysis</b> > Select <b>Results</b> Deselect all unwanted statistics and select all desired statistics Select <b>OK</b>
Save Protocol	Select File > Save Protocol or Select

#### **Create a FlowPAGE**

	Select <b>Insert</b> > <b>Blank Flow Page</b> Move the new page to a convenient area of the screen
Add Plots	Move the cursor to the center of a plot Left click and drag and drop it onto the FlowPAGE Repeat for each plot
Arrange Plots	Select the Maximize Window icon in the upper right corner of the FlowPAGE to expand the page to full screen Move each plot and move into position OR Create a large rectangle completely encircling two plots and stats Select the appropriate alignment tool ( The top, top, top) bottom, the left or top right)
Add Text	Select <b>A</b> on the FlowPAGE toolbar Move the cursor to the desired location on the page and left click Type in desired text and select <b>OK</b> Reshape the text box by grabbing a handle and pulling outward Right click in the box and select Properties to change font, fill, etc. Left click on another part of the page to finish
Add Images	Select on the FlowPAGE toolbar Locate the directory where the image is stored Select the desired image and then <b>Open</b> Move the cursor to the desired location on the page and left click Use the handles to resize the image Left click on another part of the page to finish
Add Lines or Boxes	Select or Move to the starting point Hold the left button and drag to the ending point
Save FlowPAGE	Select FlowPAGE > Save FlowPAGE As Enter a name and select Save

# AutoSetup

	Note: To enter a new application, you will need a base protocol and target channels for Flow-Set
New Application	Select Tools > AutoSetup Application Definition
11	Select Create a new application definition
	Select Current user only or All users as desired
	Select Next
	Browse to find the base protocol that best represents your final
	protocol
	Select the base protocol and then <b>Open</b>
	Select Next
	Select Filter Block and then Next
	Select Forward Scatter Collection Angle and then Next
	Optional: select dyes
	Select Next
	Enter the correct Flow-Set product and target channels
	Select Next
	Enter an application name and select Next
	Select Create a verification protocol based upon the compensation
	Combinations if you wish the system to generate a verification
	protocol
	Or
	Select Add additional verifier, locate the protocol, and select Open
	to add a verification protocol
	Select Next
	The system summarizes your entries
	Select <b>Print</b> if you wish and then <b>Finish</b>
	The system now creates all protocols and FlowPAGES needed for Autostandardization
	Autostandardization
Schedule an	Select Tools > AutoSetup Scheduler
Application	Select desired application
rippiloudion	Or
	Hold the <b>CTRL</b> key down and select multiple applications
	Enter a carousel number and select <b>Schedule</b>
	Select <b>Run</b> if you wish to run immediately
	Or
	Select <b>Close</b> to prep tubes, place them on the system, or enter
	A calibration factor in the Acquisition Manager
	Select on the toolbar to run the samples
	1 I

# **Acquisition Manager**

If it is not visible, select **View** (or right click) > Select **Acquisition Manager** 

Select Columns	Select <b>View</b> > <b>Customize Worklist Columns</b> Select the desired columns to appear and then <b>OK</b>
Edit Column Names	Select View > Customize Worklist Columns Left click on the column name until the name can be changed Type in the new name and press Enter When finished, select OK
Create a Panel	Select in the Acquisition Manager Select is protocol tab on the Resource Explorer Drag and drop the desired first protocol to the Acquisition Manager Select the function on the toolbar to add the desired number of tubes to the panel If you wish to change the protocol in any of the tubes, select the Select the desired protocol and then <b>Open</b> Repeat as necessary for each tube Under Regions column, the first tube should be set to for use the regions in that protocol (they will be set with the first tube) The other tubes should be changed to for to carry the region to the other tubes. Under the Cytosettings column first tube, select the first tube) Under the Cytosettings column first tube, select the first tube Select the cytosettings protocol from which to obtain the settings (e.g. 2 Color Settings, AS Tetra Settings, etc.) Select <b>Open</b> Edit the Parameter names for each tube to reflect the actual Measurements (e.g. CD3, CD4, etc.)
To Delete a Protocol	Select the protocol line by its number and press Delete
To Move a Protocol	Select the protocol line and drag and drop to the new position

Save Panel	Right click on Panel folder or panel area Enter a panel name If you desire to create a template in the database for reporting Results, select Export results of panel to Report Generator Select <b>Save</b>
Create a Worklist	Select Clear Worklist to clear the Acquisition Manager then:
To Add Panels	Select Panels tab on the Resource Explorer Locate the desired panel and drag and drop it to the Acquisition Manager Repeat as desired
To Add Protocols	Select Protocols tab on the Resource Explorer Locate the desired protocol and drag and drop it to the Acquisition Manager Repeat as desired
Editing	Select the desired box in a column (e.g. Under P1, P2, etc) Type in the desired information (e.g. Sample ID, Parameter name, etc.)
Save Worklist	Select Save Worklist on the toolbars Enter a worklist name and select <b>Save</b>
To Run	Select to clear Acquisition Manager Select Worklist tab on Resource Explorer Locate the desired worklist and drag and drop it to the Acquisition Manager Edit the boxes as desired To add Cal Factor, click on of the Acquisition Manager Enter absolute count calibration value, verify Enabled has been selected, and select <b>OK</b> Enter a carousel number in tube one position Select Run

# **Retrieve and Analyze Data**

Retrieve with Runtime Protocol (protocol used To collect the data)	Select Listmode tab on the Resource Explorer Locate the desired listmode file Drag and drop the file to the Workspace If asked do you wish to clear acquisition data, answer <b>Yes</b> Save previous protocol as desired The protocol appears and the data shortly after
Retrieve with a Different Protocol	Select Protocols tab on the Resource Explorer Locate the desired protocol Drag and drop it the Workspace If asked do you wish to clear acquisition data, answer <b>Yes</b> Save previous protocol as desired Select Listmode tab on the Resource Explorer Locate the desired listmode Drag and drop it to any one of the plots on the Workspace
Retrieve Multiple Listmode Files with Runtime Protocols	The protocol will populate with the data Select <b>Tools</b> > <b>Listmode Playback</b> Right click on Add Protocol tool in the window Select New Worklist Select Add Protocol tool once for each addition protocol Open File icon Select the desired listmode file and then <b>Open</b> Repeat for all listmode files Select the Options tab and other desired options Select the Single File Mode tab Select the Mode tab Select the Image Select the Single File Mode tab Select the Image Select the Single File Mode tab
Files with Different Protocols	Same as previous action but with one addition: Select the Open Protocol icon under the Protocol column Select the desired protocol and then <b>Open</b> Repeat for each protocol

Retrieve Multiple Listmode Files into one Protocol	[CXP Analysis Software Only]
Create Protocol	Drag and drop the desired single file protocol to the Workspace Select each plot in turn and then <b>CTRL D</b> Repeat process for each additional listmode files to be Displayed (e.g. 3 files – 3 sets, 4 files – 4 sets etc.) Roughly arrange the plots in rows on the screen Press <b>CTRL T</b> , select plot size, and then <b>OK</b> Drag and drop from one plot to the duplicate to duplicate Regions on the new plot Repeat for each plot in turn Select <b>File</b> > <b>Save Protocol As</b> Enter a name and select <b>OK</b>
Retrieve Files	Select Explorer Select desired listmode file Drag and drop it to a top plot (all plots populate) Select a different listmode file Hold down the <b>CTRL</b> key and drag and drop it to the first duplicate plot (this plot only populates with the new file) Repeat the drag and drop process while holding down the <b>CTRL</b> key for each of the other plots in the row using the same listmode file (F2 appears on the plots) Repeat the process with a new listmode file for each of the remaining rows
Save Protocol	Select File > Save Protocol As Enter a name and select OK
Batch Automator	Select <b>Tools</b> > <b>AutoMATOR Setup</b> To remove old selected files from the list: Select the files and then the Remove Files button Select <b>Add Files</b> Select the desired files and then <b>Open</b> To change the order: Select a file and drag and drop it to a new position Select the desired process option next to the files ( $\blacklozenge$ pass, $\overline{\boxtimes}$ pause 12 seconds, $$ stop and wait to restart) Select the desired output option To process: Select

Listmode Playback Tool	Select Tools > Listmode Playback
	Select either the Add Protocol or Add Panel
	Select either the Add Protocol or Add Panel
	Select Open for the first listmode file
	Select Open for the first listmode file Select the listmode file and then <b>Open</b>
	Repeat for each listmode file
	If desired, select the Open for each protocol in turn
	Select the desired protocol and then <b>Open</b>
	Select Options tab and desired options
	Select Single File Mode tab
	Select tool in the window
	Select tool in the window The files are displayed
	The mes are displayed
	1
Overlay Plot (CXP Analysis	Select on the plots toolbar
Software only)	
Populating From	Drag and drop from the center of a histogram plot
Workspace	to the Overlay plot
Populating From	Select the 📕 Histogram tab on the Resource Explorer
Stored Histograms	Select the desired histogram
Stored Instograms	Drag and drop the file to the overlay
Populating From	Select 🔌 on the Overlay toolbar
Listmode Files	If some files are missing, select More Files
	Select the desired files using the Shift or CTRL keys
	Select the desired parameter(s) and then <b>OK</b>
Arranging Plots	Left click on a histogram within the Overlay
A manging 1 lots	Drag and drop within the overlay to a new position
Superimposing	Select the overlay plot and then 🔟 on the Overlay toolbar
Overlay Plots	Select the overlap plot and then and on the overlap tooloar
Angle Plots	Select 🔹 on the Overlay toolbar
1 11510 1 1015	Select and on the Overlay tooldar
	Select <b>b</b> on the Overlay toolbar
Gallery Mode	Select me Overlay toolbar
Add Legend	Select 🕮 on the Overlay toolbar

Add Regions	Select for linked regions on all plots Use the handles to stretch the regions into position Or
	Select for a single region on one histogram Select the histogram within the overlay Use the handles to stretch the region into position
Add Statistics	Select Select on the Overlay toolbar
Add Annotation	Select  upper right corner of overlay to maximize it Select the  on the Overlay toolbar Move the cursor to desired position and left click
	Change box size by dragging the handles Click until the text cursor appears Edit the text within the box Note: Add \$ to add specific dynamic values to the text (These values continually change, e.g. date, time, etc.) Select the desired information Double click outside the box to finish
Assigning a Control	Left click on the desired histogram within the overlay Right click and select <b>Set As Control</b>
Apply Translucency	Left click away from histograms to deselect them Right click and select <b>Translucency</b>
Apply Overton Mode	Left click away from all histograms to deselect them Right click and select <b>Overton Mode</b>
Apply Kolmogorov- Smirnov Mode	Left click away from all histograms to deselect them Right click and select <b>Kolmogorov-Smirnov Mode</b>
Publishing	
Set Preferences	Press <b>CTRL W</b> and select Publish tab Select the desired publishing option Publish to Text File Or Publish Data to MS Excel or both Select desired data format Select desired bitmap size Select desired File References option Select whether or not to switch to Excel on publish
	Select <b>OK</b>
Output	Select Tools > Publish Results Now
	Enter name and select <b>Save</b> System opens MS Excel and displays data

#### **Extras**

### Assigning Color to Dot Plots Press CTRL W and select Gating tab

Color Precedence	Select Automatic Color Precedence Select OK Select Color Precedence Setup on the toolbars Edit colors as desired Move regions using a drag drop technique Select OK Color will be assigned to dots based on the color located highest on Precedence list (top position)
Color Blend	Select Color Blend Mode Select OK Select Select 3 different regions to blend Select OK Color will be assigned based on the number of the regions satisfied by the event
Administration Functions	When logging on, select <b>Admin</b> as the user Enter the administration password (initially it is <b>Password</b> ) Select <b>Admin</b> button, The Admin window appears
Add a User	Select <b>Add User</b> Enter a new user name and password (min 6 characters) Select desired privileges Select Paths tab if you wish to change the paths Select <b>OK</b> until you return to the Admin window
Group Users	Select <b>Workgroups</b> Select <b>Edit</b> and then <b>Add</b> Rename your workgroup as desired Select <b>OK</b> Select all users to be included in the workgroup Select <b>OK</b>
Track User Usage	Select <b>Export Log</b> Enter range of dates and select <b>Next</b> Select users to be included in the billing file Select <b>Next</b> Select to send to clipboard or file and select Delimiter Select <b>Finish</b> and then <b>Close</b>

Copy and Paste Copy Image	Select a plot Right click and select <b>Copy Plot Image</b>
Paste Image	Open the desired program (e.g. PowerPoint, Word, etc.) Select desired area Select <b>Edit</b> > <b>Paste</b>
Copy Data	Select plot Right click and select <b>Copy Plot Data</b>
Paste Data	Open the desired program (e.g. MS Excel) Select desired area Select <b>Edit</b> > <b>Paste</b>
Freeze Single Histogram Plots	Run a sample or retrieve a listmode file Choose a histogram plot to apply freeze frame Move the cursor to the lower right corner of the plot Until appears Left click and select the Histogram tab
	Select Freeze Frame and then <b>OK</b> Run another sample or retrieve another file, an outline of The previous file appears on top of the new file You can repeat the process to achieve 2 freeze frames on top of a new file
Baseline Offset	Select <b>File</b> > <b>Workspace Preferences</b> Select Plot Display tab Select <b>Baseline Offset On</b> System adds a randomized positive Gaussian offset to the low channels bringing the negative population out from channel zero on log displays
Listmode Compensation	Select Listmode tab on the Resource Explorer Select desired listmode file Drag and drop it to the workspace Select <b>Analysis</b> > <b>LMD Quick COMP</b> Adjust the slider bars to change the compensation The data responds accordingly Save recompensated file (file extension will be CMP)

#### DataBase

QC Product Editor	
Editing a Product	Select the Report Generator toolbar and then Product Editor Select the desired product you wish to edit Select the desired information field to be edited Make the change Repeat the process for each field When finished, select <b>OK</b>
Entering a New Product	Select the Report Generator toolbar and then Product Editor Select the New Product button Select the first information field Enter the information Repeat the process for each field When finished, select <b>OK</b>
Quality Control Report Setting Region Properties	Sample data is sent to the database when samples are run And the protocol region properties are set correctly Drag and drop a protocol to the workspace Save the previous protocol or not as desired Select a region for statistics to be sent to the database Right click the mouse and select Region Properties Select Region statistics to be exported for Quality Control Enter the QC Product and select <b>OK</b> Repeat for each region to be used
Activating QC Template (one time procedure)	Select QC Report on the Report Generator toolbar Change instrument to Default Select <b>Template</b> > <b>Select Template</b> Select desired template and then <b>Open</b> Select <b>Template</b> > <b>Save Template</b> to save the template with the system serial number Repeat process for each template
Select a Template	Select <b>Template</b> > <b>Select Template</b>

	Salaat desired template and then Onen
	Select desired template and then <b>Open</b>
Select a point	Left click on the point ( a red line appears)
Creating a New QC Template	First, enter the new QC product (earlier in database)
Select	QC Report on the Report Generator toolbarSelect Template > Clear TemplateSelect New Plot buttonClick on the header portion of the plotSelect user label and select a label from the listSelect product from the listEnter a lot numberSelect a parameter or regionSelect a statisticWhen finished, select OKRepeat process for each new plotWhen finished, select Template > Save AsEnter a name and select Save
Panel Template	
Accessing a template	Select Panel Template on the Report Generator Toolbar Select <b>File</b> > <b>Open</b> and locate the desired template Select the template and then <b>Open</b>
Creating a Template	First create a panel and then save the panel with the Export results of panel to report Generator selected Select $\overrightarrow{File}$ Panel Template on the Report Generator toolbar Select $\overrightarrow{File} > Open$ and locate the new blank template Select the template and then $Open$ Select the desired global options and the Local tab Select update to enter the information and clear the fields $Or$ Select $Update \& Retain$ to enter the information only Repeat for each line Select $\overrightarrow{File} > Save$

Panel Report	Select Panel Report on the Report Generator toolbar Select <b>Search</b> button to list reports Highlight desired report and then click on <b>Select</b>
Database Entry	Select on the Report Generator toolbar Enter information in each desired field and select <b>Save</b>
Database Management toolbar	Select Database Entry on the Report Generator
	Enter password (cxppass) Select <b>Connect to Archive DB</b> button and then <b>OK</b>
dates	Set the Records to Before Date or Between Dates, Fill in
unos	Select archive option and then <b>OK</b>
Maintenance Log	Select J, double click on item to log
Service Log	Select Select field and enter information

#### tetraCXP

Scheduling Auto- standardization	Select <b>Tools</b> > <b>AutoSetup Scheduler</b> While holding down the <b>CTRL</b> key select QC 4C 1L FITC-PE-ECD-PC5 Flow-Check <sup>TM</sup> -C and then the Desired AS tetra application (e.g. AS tetraCXP TBNK FC-C) Enter the carousel number and select <b>Schedule</b> The system displays a Carousel Load Report And lists the tubes in order in the Acquisition Manager Optional: select <b>Print</b> to print the report Select <b>Close</b> Prepare the samples according to the load report and place THEM in the carousel
Running Auto- standardization	To add a Cal factor, click on Of the Acquisition Manager Enter absolute count calibration value, verify Enable has been selected, and select <b>OK</b> Select <b>File &gt; Workspace Preferences</b> Select the Acq. Setup tab Select desired print options (e.g. just FlowPAGE) Select <b>OK</b> Select <b>N</b> The system runs the samples in turn
Running Patients	<ul> <li>Flow-Check – if CV's are too high, select to prime flow-Set – Change the flow rate to high. If the system does not pass, select rerun</li> <li>Compensation – make sure the gate is correct and the positives are within the positive region</li> <li>Verification – compare values to the assay sheet</li> <li>If not set to automatically approve, approve the results</li> <li>Select the Clear Worklist tool</li> <li>Select the Add Panels tab on the Resource Explorer</li> <li>Select the Common and then the tetraCXP folder</li> <li>Click on the desired panel and drag and drop it to the Acquisition Manager</li> <li>Enter a Sample ID 1 and Cal Factor</li> <li>Enter a carousel number and select Run</li> </ul>

# **Reagents List**

Coulter Clenz <sup>®</sup>	8546929
Coulter <sup>®</sup> Cyto-Trol <sup>™</sup> Control Cells kit	6604248
Coulter <sup>®</sup> DNA-Prep Reagents kit	6607055
Cyto-Comp <sup>TM</sup> Cell kit	6607023
Flow-Check <sup>TM</sup> Fluorospheres	6605359
Flow-Check <sup>TM</sup> & Flow-Set <sup>TM</sup> 675 Fluorospheres	6607120
Flow-Check <sup>TM</sup> & Flow-Set <sup>TM</sup> 770 Fluorospheres	6607121
Flow-Count <sup>TM</sup> Fluorospheres	7547053
Flow-Set <sup>TM</sup> Fluorospheres	6607007
Immuno-Brite <sup>™</sup> Standards kit	6603473
ImmunoPrep <sup>™</sup> Reagent system	7546999
Immuno-Trol <sup>TM</sup> Cells	6607077
Immuno-Trol <sup>TM</sup> Low Cells	6607098
IsoFlow <sup>™</sup> Sheath Fluid	8547008
QuickCOMP 4 kit	177017

# **Parts List**

Card, Cyt 12 receiver in power supply	6706391
Clip, sample probe retainer	2837022
Cyt 12 fiber optic cable	6028716
O-ring sheath filter holder	2523451
PMI kit	6912942
Sample Head assembly	6807297
Sample Probe assembly	6807268
Sheath filter assembly	6912942
Sheath filter connector large	6232522
Sheath filter connector small	6232472
Sheath tank assembly	7000378
Transmit/Receive fiber optic cable	6028371
Waste vacuum filter	6232561

# Index

Acquisition Manager 11	
Select Columns 11	
Edit Column Names	11
Create a Panel 11	
Create a Worklist	12
Administration Functions	17
Add a User 17	
Group Users 17	
Track User Usage	17
AutoSetup 10	
New Application	10
Schedule an Application	10
Baseline Offset 18	
Color Blend 17	
Color Precedence 17	
Commonly Used Toolbars	5,6
Copy and Paste 18	5,0
Create a FlowPAGE 9	
Add Plots 9	
Arrange Plots 9	
Add Text 9	
Add Images 9	
Add Lines or Boxes	9
Save FlowPAGE 9	9
Creating a Protocol 7 Select Parameters	7
Create Plots	7 7
	7
Instrument Settings	
Create Regions Gate	8 8
Analyze	8
Save Protocol	8
Database 19	10
Editing a Product	19
Entering a New Product	19
Quality Control report	19
Activating a QC Template	
Select a Template	19
Select a Point	20
Creating a New QC Temp	late 20
Panel template 20	
Panel report 21	
Database Entry 21	0.1
Database Management	21
Maintenance Log	21
Service Log 21	
Extras 17	10
Freeze Single Histogram Plots	18
Listmode Compensation 18	15
Overlay Plot	15
Populating From Workspa	
Populating From Stored H	istograms
15	

Popula	ating From Listm	ode Files	15
Arran	ging Plots	15	
Super	imposing Plots	15	
Angle	Plots	15	
Galler	y Mode	15	
Add L	legend	15	
Add R	Regions	16	
Add S	tatistics	16	
Add A	Annotation	16	
Assig	ning a Control	16	
Apply	Translucency	16	
	Overton Mode	16	
Apply	Kolmogorov-Sm	nirnov Mod	e 16
Parts List	23		
Publishing	16		
Set Pr	eferences	16	
Outpu	t	16	
Reagents List	23		
Retrieve and A	nalyze Data	13	
	ve with Runtime	Protocol	13
Retrie	ve with Different	Protocols	13
Retrie	ve Multiple Listn	node Files	
	with Runtime	Protocols	13
Retrie	ve Multiple Listn	node Files	
	with Different	Protocols	13
Retrie	ve Multiple Listn	node Files	
	with One Prote	ocol	14
Batch	Automator		14
Listme	ode Playback Too	ol	15
Screen Layout	5		
Shutdown	6		
Startups	5		
tetraCXP	22		
Sched	uling Autostanda	rdization	22
	ng Standardizatio	on 22	
Runni	ng Patients 22		

PN 722238 Rev A (April, 2005)

Notes: