

AU480 Quick Start Guide



Quick references to AU resources

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How to Access the Training & Education Website

1. Go to www.beckmancoulter.com.
2. Select the [Training & Education](#) option.

RESEARCH & DISCOVERY



- Cell Counting, Sizing & Viability
- Centrifugation
- Drug Discovery & Development
- Liquid Handling & Robotics
- Nucleic Acid Sample Preparation
- Particle Characterization
- Research Flow Cytometry

[View all >](#)

DIAGNOSTICS


- Automation
- Chemistry
- Clinical Flow Cytometry
- Hematology
- Immunoassay
- **Molecular Diagnostics**
- Urinalysis

[View all >](#)

INDUSTRIAL



- Air Particle Counters
- Cell Counters
- Centrifugation
- Liquid Particle Counters
- Particle Characterization
- TOC Analyzers
- Industrial Technical Library


[View all >](#)


ABOUT BECKMAN COULTER

Beckman Coulter develops, manufactures and markets products that simplify, automate and innovate complex biomedical testing. Our products are making a difference in people's lives by improving the productivity of medical professionals and scientists, supplying critical information for improving patient health and delivering trusted solutions for research and discovery.

[Learn more >](#)

 ORDER STATUS


 TECHNICAL DOCUMENTATION


 **TRAINING & EDUCATION**


3. Select the [“Chemistry + View”](#) option.


Training & Education


If you are seeking Operating Manuals or other Instructions for Use, please see our [Technical Documents](#) library.


Research & Discovery


 Webinars & Conferences
[GO](#)

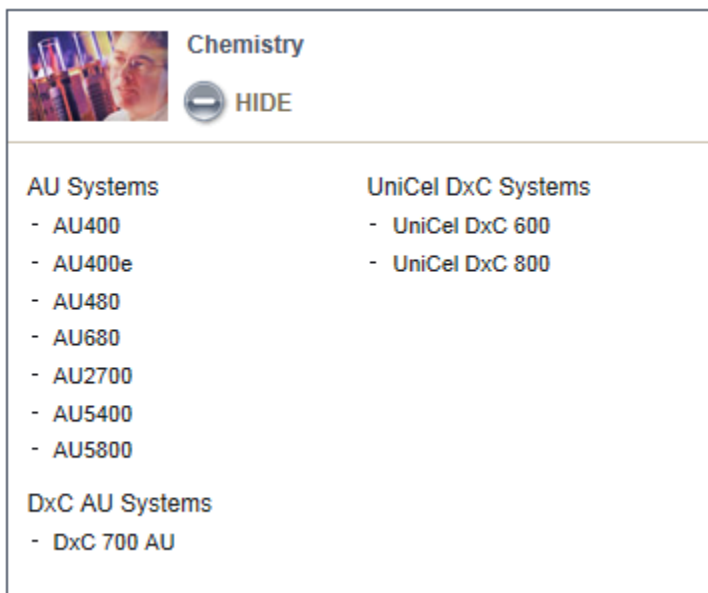
 Centrifugation
[VIEW](#)

Diagnostics


 Webinars
[GO](#)

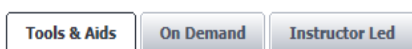
 **Chemistry**
[VIEW](#)

4. A list of chemistry analyzer is displayed.



5. Select AU480, then the Tools & Aids tab, On Demand tab, or Instructor Led tab.

- › [Tools & Aids tab](#): Job Aids and AU480 In-Lab Training Manual
- › [On Demand tab](#): E-learning Training Modules
- › [Instructor Led tab](#): information on the instructor led training in Brea, CA. Information on CEUs, selecting the best candidate to attend training, objectives and prerequisites



Welcome to the Training and Education resource pages!



The tabs above provide you with pathways to additional educational opportunities. Below are a wide variety of tools and aids to assist you in mastering instrument operation. These aids range from short video clips of commonly performed procedures, job-aids, learning guides, to competency checklists.

Select the appropriate link to access a training tool.

E-learning Training Modules


Purpose: provides an overview of the AU480 software, hardware components, ISE and reaction process through an engaging and interactive E-learning training module.

Location: Training & Education website, On Demand tab.

Tools & Aids

On Demand


Instructor Led



In today's busy lab, it is often difficult to find time to attend training programs in person. Our On Demand training will help you meet your educational needs by offering training solutions 24 hours a day, 7 days a week. Here you will find pre-training modules, multi-level operational e-Learning modules, troubleshooting modules, current diagnostic topics of interest, and recorded webinars. Most of our On Demand training includes continuing education credits.

Use the links below to access the e-Learning modules. These programs will open in a new browser window or tab.


- [AU480 Overview E-learning](#)
- [AU480 ISE Overview E-learning](#)



Menu

- Introduction to the AU480
 - Welcome to Beckman Coulter O...
 - AU480 Overview
 - Hardware Components
 - Top Level Components
 - Front Components
 - Reaction Process
 - Software Overview
 - Conclusion

AU480 Hardware & Software Overview




Welcome to this Online Training Course

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Move your lab forward with Beckman Coulter

Select NEXT to continue



NEXT >

Job Aid Booklet

Purpose: easy-to-use instructions for daily startup and as needed procedures in a flowchart format.

Location: Training & Education website, Tools & Aids tab.

Job Aid Booklet Table of Contents

Set the Start Condition	5
Check and Load Reagents	6
Load a Fixed (Assigned) Reagent	7
Perform Analyzer Calibration	8
Perform Quality Controls for All Tests	9
Perform Quality Control for Selected Tests	10
Manual Programming for Samples on Racks	11
Manual Programming for STAT Samples	12
Perform Add On and Rerun Tests on Racks	13
Perform Add On and Rerun Tests on STAT Table	14
Recall Patient Results	15
Print RB/CAL/QC Reports	16
Transfer Data to Host	17
Calibration Verification	19
Review and Print QC	21
Delete QC Data and Enter Comments	22
Set Calibrator Lot Concentrations	23
Configure New QC Lot Parameters	24
Daily Analyzer Maintenance	25
Load ISE Reagents (ISE Option only)	27
Perform ISE Clean (ISE Option only)	28
Perform ISE Calibration (ISE Option only)	29
Define a User Menu	30
Save or Load System Parameters	31
Save Data to External Media	32
Perform an End Process	33
Perform and Recover from an Emergency Stop	34

Additional Job Aids

Purpose: provide instructions and tips in an easy-to-use flowchart format for some of the most frequently asked questions: **Startup, Racks and Sample Containers, Maintenance, Troubleshooting and as needed tasks.**


The AU480 **In-Lab Training Manual** provides instructions for training additional operators in your facility, a competency exercise and a competency exercise key.

Location: Training & Education website, Tools & Aids tab.

RESEARCH & DISCOVERY | DIAGNOSTICS | INDUSTRIAL




















Tools & Aids
On Demand
Instructor Led

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The tabs above provide you with pathways to additional educational opportunities. Below are a wide variety of tools and aids to assist you in mastering instrument operation. These aids range from short video clips of commonly performed procedures, job-aids, learning guides, to competency checklists.

Select the appropriate link to access a training tool.


-  [Competency Checklist](#)
-  [AU480 In-Lab Training Manual](#)
-  [Job Aid Booklet](#)
-  [Daily Start Up Job Aid](#)
-  [Every Other Week and Weekly Maintenance Job Aids](#)
-  [Every Other and Weekly Efficiency Job Aids](#)
-  [Monthly Maintenance Job Aids](#)
-  [Monthly Maintenance Efficiency Job Aids](#)
-  [AU Troubleshooting Tips](#)
-  [Reagent Consumption Job Aid](#)
-  [Sample Processing Overview](#)
-  [Sample Rack Usage and Validated Sample Containers](#)
-  [Software Overview](#)
-  [Systematic Troubleshooting](#)
-  [AU Calculated Parameter](#)
-  [New Test Configuration](#)
-  [Tips for Working With Your Service Representative](#)
-  [Diazyme Procalcitonin Customer Installation Guidelines](#)
-  [AU Routine Cleaning Solutions](#)

Training Competency Checklist

Purpose: provides a checklist for In-Lab Training to ensure trainees are proficient in basic operations on the AU480.

Location: Training & Education website, Tools & Aid tab.

Competency Checklist

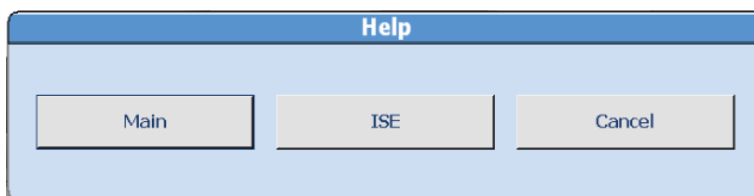
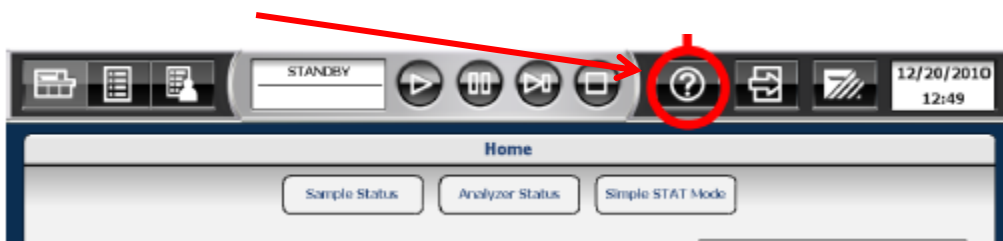


AU480 Chemistry Analyzer

Task	Resources	How Measured?	Achieved?		N/A	Date	Trainee Initial	Trainer Initial
			Y	N				
Reagents								
• Check reagent status	AU480 User's Guide Chapter 5 Daily Startup ↳ 5.5 Check Reagent Status	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Load reagent bottles in the refrigerators		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Perform a reagent check		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Check ISE reagent status	AU480 User's Guide Chapter 8 Maintenance ↳ 8.19 ISE As Needed Maintenance ↳ 8.19.5 Replacing ISE Reagents	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Load ISE reagents		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Assign a reagent to fixed position	AU480 User's Guide Chapter 7 System Monitoring and Results ↳ 7.4 Reagent Management ↳ 7.4.1 Fix (Assign) a Reagent Position	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Identify reagent preparation	Reagent Instructions for Use ↳ Reagent Preparation	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Calibration								
• Determine analyzer calibration status	AU480 User's Guide Chapter 5 Daily Startup ↳ 5.5 Check Reagent Status	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Perform analyzer calibration	AU480 User's Guide Chapter 5 Daily Startup ↳ 5.6 Perform Calibration	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Perform ISE calibration	AU480 User's Guide Chapter 8 Maintenance ↳ 8.12 ISE Daily Maintenance ↳ 8.12.2 ISE Calibration	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

How to Access Help from the AU Software

Select the Help button from the AU software, then select the **Main** button.



AU480 CHEMISTRY ANALYZER

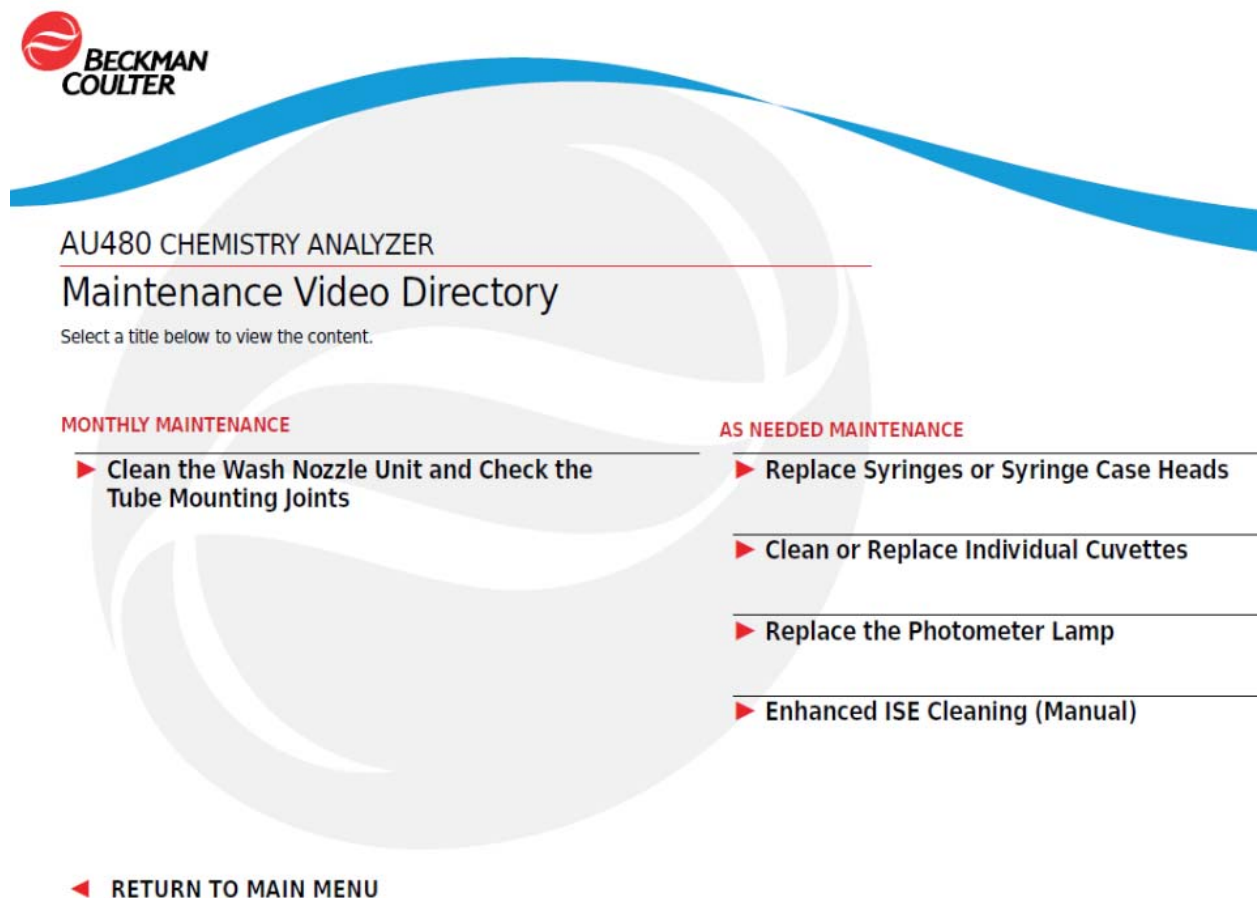
Online Help Main Menu

Select a title below to view the content.

- ▶ Quick Response Guide
- ▶ User's Guide
- ▶ Maintenance Video Directory
- ▶ Addendum

Maintenance Videos

Select the Help button from the AU software, and then select Video Directory.



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AU480 CHEMISTRY ANALYZER

Maintenance Video Directory

Select a title below to view the content.

MONTHLY MAINTENANCE	AS NEEDED MAINTENANCE
▶ Clean the Wash Nozzle Unit and Check the Tube Mounting Joints	▶ Replace Syringes or Syringe Case Heads
	▶ Clean or Replace Individual Cuvettes
	▶ Replace the Photometer Lamp
	▶ Enhanced ISE Cleaning (Manual)

◀ RETURN TO MAIN MENU

Quick Response Guide

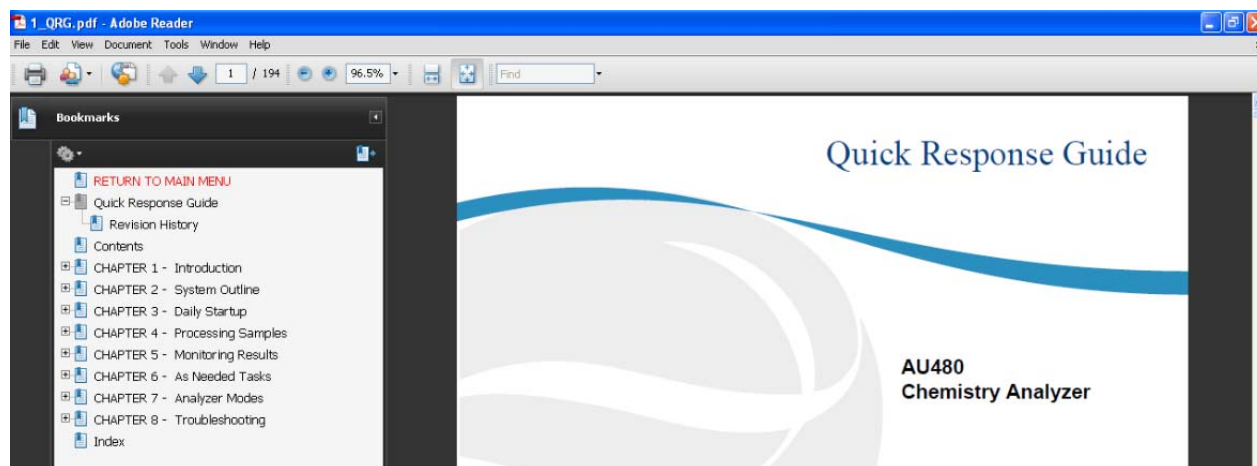
Select the Help button from the AU software, and then select Quick Response Guide.

The Quick Response Guide is available in the following formats:

- › Download a copy from the web: <https://www.beckmancoulter.com/wsrportal/page/techdocSearch>
- › **Help** button on the Main Menu on the AU software
- › Order a hard copy: contact Beckman Coulter Customer Service at 1-800-526-3821 from the United States and Canada, or your local Beckman Coulter Representative

From the Help button on AU Software:

- › Select **“RETURN TO MAIN MENU”** (red text) to return to the Online Help Main Menu screen.
- › Select the red **“X”** in the upper right corner of the screen to close the Online Help and return to the analyzer software.



User's Guide

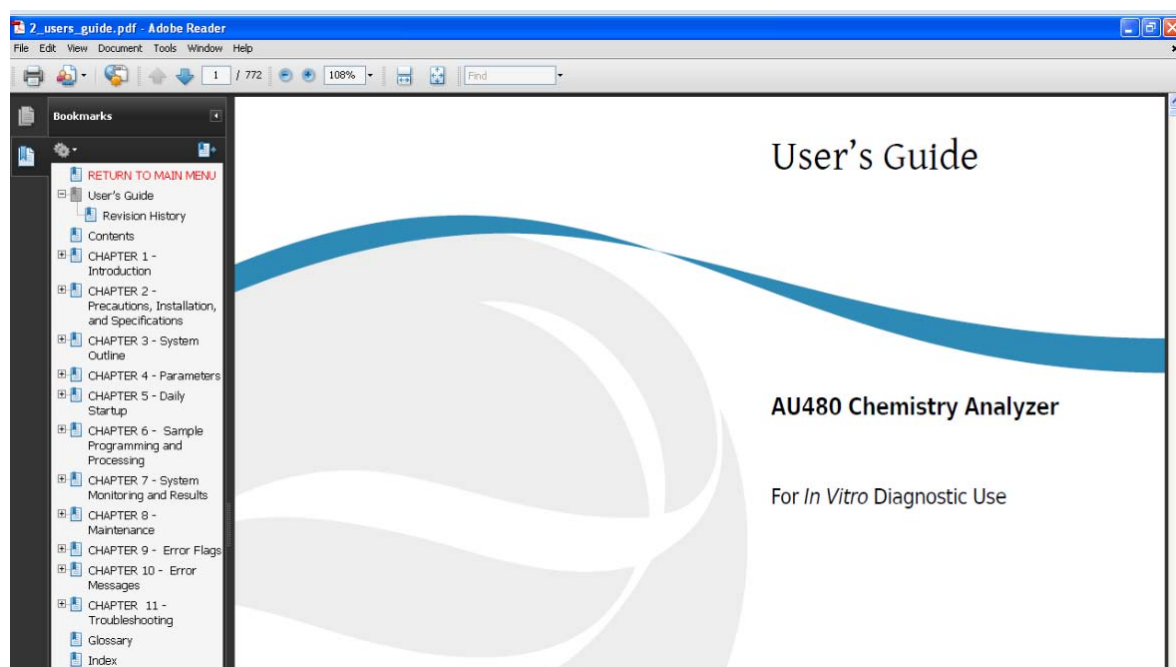
Select the Help button from the AU software, and then select User's Guide.

The User's Guide is available in the following formats:

- Download a copy from the web: <https://www.beckmancoulter.com/wsrportal/page/techdocSearch>
- **Help** button on the Main Menu on the AU software
- Order a hard copy: contact Beckman Coulter Customer Service at 1-800-526-3821 from the United States and Canada, or your local Beckman Coulter Representative

From the Help button on AU Software:

- Select **"RETURN TO MAIN MENU"** (red text) to return to the Online Help Main Menu screen.
- Select the red **"X"** in the upper right corner of the screen to close the Online Help and return to the analyzer software.





User's Guide Frequently Asked Questions (FAQ)

How to find the information on frequently asked questions in the User's Guide:
select the Help button from the AU software, and then select User's Guide.

- › List of Flags
[Chapter 9 Error Flags](#)
- › Screen Navigation and Software Overview
[Chapter 3 System Outline, 3.5 Software Description](#)
- › Startup Procedures
[Chapter 5 Daily Startup](#)
- › Turn the System Off (End Process) and Back On for Troubleshooting
[Chapter 7, System Monitoring and Results, 7.10 System Shutdown \(End Process\)](#)
[Chapter 5 Daily Startup, 5.1.1 Turn on the System](#)
- › Parts List for Analyzer and ISE Maintenance
[Chapter 8 Maintenance, 8.2 Parts List for Analyzer Maintenance and 8.10 Parts List for ISE Maintenance](#)
- › Analyzer and ISE Maintenance Schedules
[Chapter 8 Maintenance, 8.1.1 Maintenance Schedule List](#)
- › Manual Requisition
[Chapter 6 Sample Programming and Processing, 6.3 Requisition for Routine and Emergency Samples](#)
- › STAT Samples
[Chapter 6 Sample Programming and Processing, 6.5.1 Enter Manual Requisitions for Priority STAT Samples and 6.5.2 Processing Priority STAT Samples](#)
- › Program a New Test
[Chapter 4 Parameters, 4.1 Program a New Test](#)
- › Contamination Parameters
[Chapter 4 Parameters, 4.8 Contamination Parameters Menu](#)