



AU680 Quick Start Guide



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» Move healthcare forward.

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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.

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ORDER STATUS



TECHNICAL DOCUMENTATION











TRAINING & EDUCATION

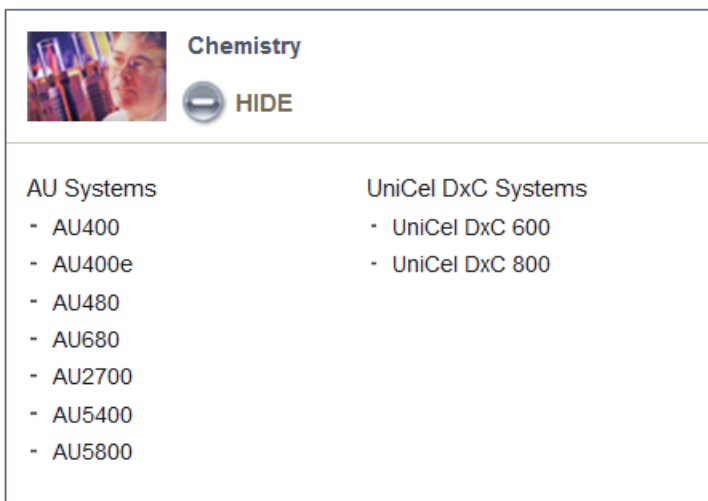
3. Select the **“Chemistry + View”** option.

Training & Education

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

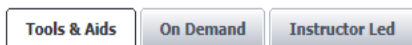
Research & Discovery	Diagnostics
 Webinars & Conferences 	 Chemistry 
 Centrifugation 	 Clinical Automation 

4. A list of chemistry analyzer is displayed.



5. Select AU680, then the Tools & Aids tab, On Demand tab, or Instructor Led tab.

- › **Tools & Aids tab:** Job Aids and AU680 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 AU680 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.

- [AU680 Overview E-learning](#)
- [AU680 ISE Overview E-learning](#)



Menu

- ▼ Introduction to the AU680
- Welcome to Beckman Coulter O...
- AU680 Overview
- Hardware Components
- Top Level Components
- Front Components
- Reaction Process
- Software Overview
- Conclusion

AU680 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

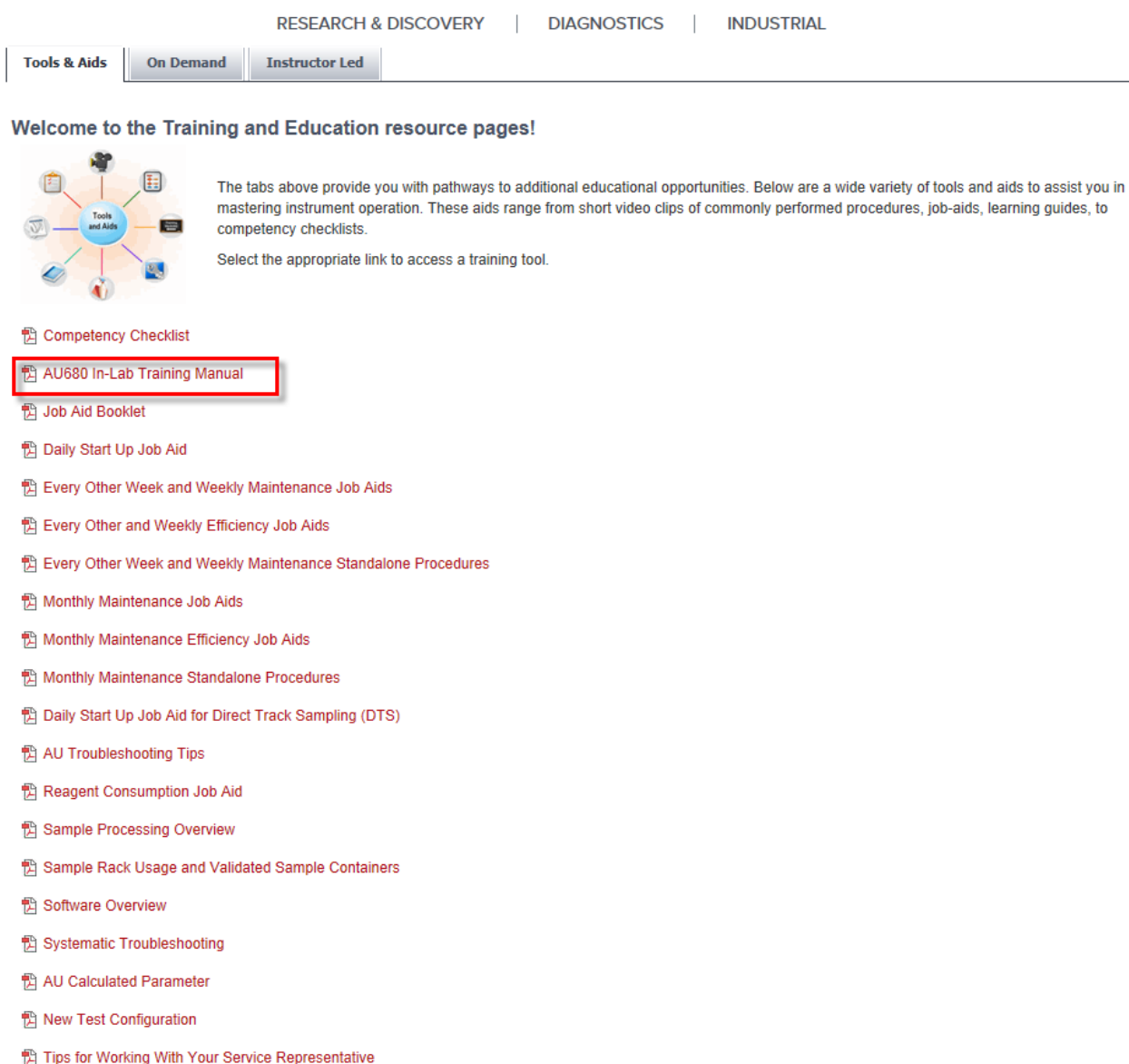
Set the Start Condition	5
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Additional Job Aids

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 AU680 **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

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.

- Competency Checklist
- AU680 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
- Every Other Week and Weekly Maintenance Standalone Procedures
- Monthly Maintenance Job Aids
- Monthly Maintenance Efficiency Job Aids
- Monthly Maintenance Standalone Procedures
- Daily Start Up Job Aid for Direct Track Sampling (DTS)
- 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

Training Competency Checklist

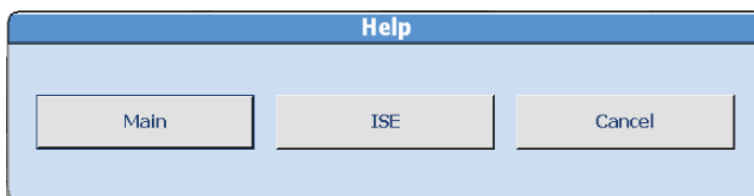
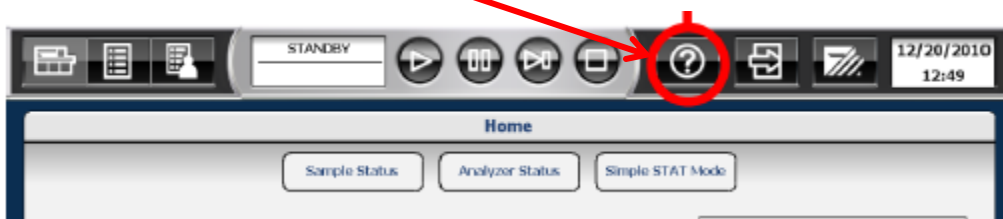
Purpose: provides a checklist for In-Lab Training to ensure trainees are proficient in basic operations on the AU680.

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

Competency Checklist		AU680 Chemistry Analyzer							
Task	Resources	How Measured?	Achieved?		N/A	Date	Trainee Initial	Trainer Initial	
			Y	N					
Reagents									
• Check reagent status	AU680 Instructions for Use Chapter 2 Daily Startup ↳ Monitor the Reagent Status ↳ Replace the Reagents	<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	AU680 Instructions for Use Chapter 2 Daily Startup ↳ Perform the ISE Startup ↳ Inspect the ISE Reagents ↳ Replace the 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	AU680 Instructions for Use Chapter 5 System Monitoring and Results ↳ Reagent Management ↳ 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	AU680 Instructions for Use Chapter 2 Daily Startup ↳ Monitor the 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	AU680 Instructions for Use Chapter 2 Daily Startup ↳ Calibrate Tests	<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	AU680 Instructions for Use Chapter 2 Daily Startup ↳ Perform the ISE Startup ↳ Calibrate the ISE	<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.



AU680 Chemistry Analyzer Online Help Main Menu

Select a title below to view the content.

- ▶ Instructions for Use
- ▶ Reference Manual
(In English only)
- ▶ Video Directory

Maintenance Videos

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



AU680 Chemistry Analyzer Video Directory

Select a title below to view the content.

MONTHLY MAINTENANCE

- ▶ Clean the Wash Nozzle Component and Inspect the Tube Mounting Joints

AS NEEDED MAINTENANCE

- ▶ Replace the Photometer Lamp
- ▶ Clean or Replace Individual Cuvettes
- ▶ Replace Syringes or Syringe Case Heads
- ▶ Enhanced ISE Cleaning (Manual)

◀ RETURN TO MAIN MENU

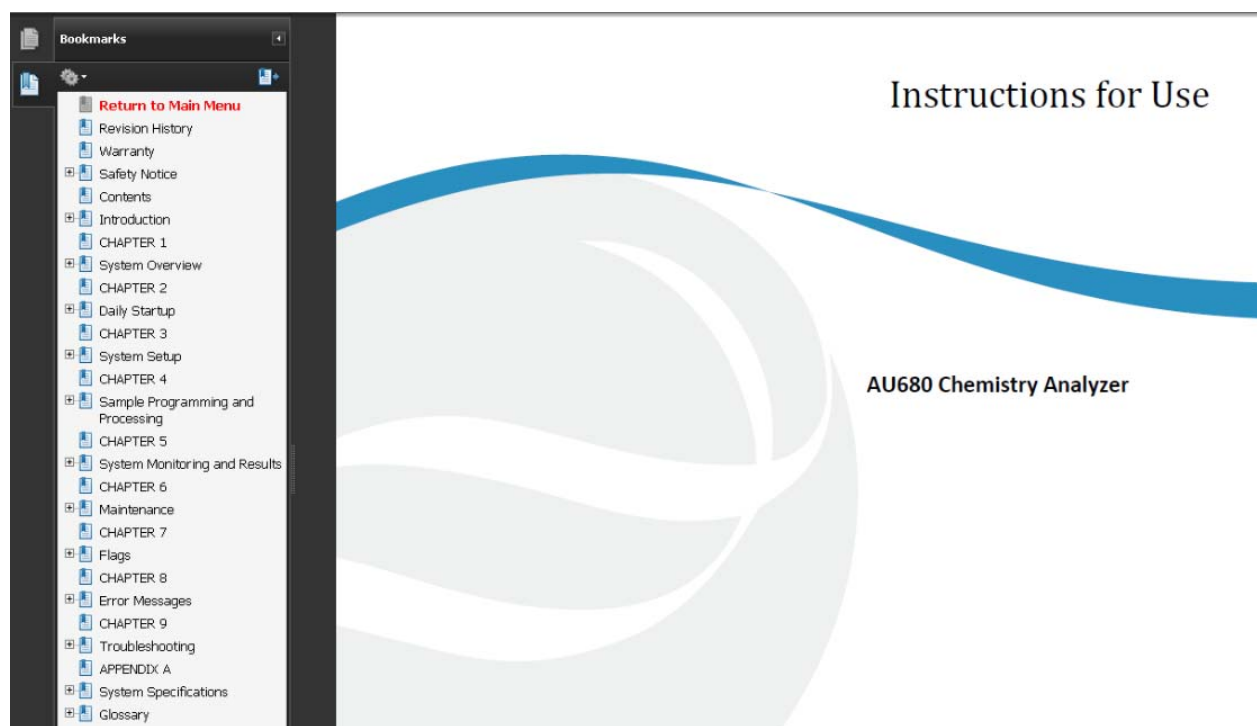
Instructions for Use (IFU)

Select the Help button from the AU software, and then select Instructions for Use or Reference Manual.

The IFU and Reference Manual are 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:





Instructions for Use (IFU) Frequently Asked Questions (FAQ)

How to find the information on frequently asked questions in the IFU: **select the Help button from the AU software, and then select Instructions for Use.**

- › List of Flags

[Instructions for Use, Chapter 7 Flags](#)

- › Screen Navigation and Software Overview

[Instructions for Use, Chapter 1 System Overview, Software Overview](#)

- › Startup Procedures

[Instructions for Use, Chapter 2 Daily Startup](#)

- › Turn the System Off (End Process) and Back On for Troubleshooting

[Instructions for Use, Chapter 5 System Monitoring and Results, System Shutdown \(End Process\)](#)

[Instructions for Use, Chapter 2 Daily Startup, Turn on the System](#)

- › Parts List for Analyzer and ISE Maintenance

[Instructions for Use, Chapter 6 Maintenance, Parts List for Analyzer Maintenance and Parts List for ISE Maintenance](#)

- › Analyzer and ISE Maintenance Schedules

[Instructions for Use, Chapter 6 Maintenance, Maintenance Schedule](#)

- › Manual Order (Requisition)

[Instructions for Use, Chapter 4 Sample Programming and Processing, Order \(Requisition\) for Routine and Emergency Samples](#)

- › STAT Samples

[Instructions for Use, Chapter 4 Sample Programming and Processing, Enter Manual Orders \(Requisitions\) for Priority STAT Samples and Processing Priority STAT Samples](#)

- › Program a New Test

[Instructions for Use, Chapter 3 System Setup, Program a New Test](#)

- › Contamination Parameters

[Reference Manual, Chapter 2 Parameters, Contamination Parameters Screen](#)