

stago compact max user manual

Stago Compact Max User Manual

The Stago Compact Max is a sophisticated coagulation analyzer designed for hematology laboratories, offering precision and reliability in testing. This user manual serves as a comprehensive guide for understanding the operation, maintenance, and troubleshooting of the Stago Compact Max, ensuring that users can optimize its functionality for accurate test results.

Overview of the Stago Compact Max

The Stago Compact Max is engineered to perform a wide range of coagulation tests, including prothrombin time (PT), activated partial thromboplastin time (aPTT), and fibrinogen levels. Its compact design allows for efficient use of space in laboratory settings while maintaining high throughput capabilities.

Key Features

- User-friendly Interface: The analyzer is equipped with a touchscreen display that simplifies navigation through various functionalities.
- High-Throughput Capacity: Capable of processing multiple samples simultaneously, optimizing workflow in busy laboratories.
- Advanced Quality Control: Built-in quality control features ensure the reliability and accuracy of test results.
- Data Management: The system allows for easy data storage, retrieval, and analysis, providing robust reporting capabilities.

Getting Started

Before utilizing the Stago Compact Max, users must ensure that the device is set up correctly and calibrated. Follow the steps below to prepare the analyzer for use.

Installation Requirements

1. Power Supply: Ensure the analyzer is connected to a stable power source.
2. Environmental Conditions: Maintain a temperature range of 18°C to 30°C (64°F to 86°F) and a humidity

level of 20% to 80% without condensation.

3. Connectivity: Connect the device to the laboratory information system (LIS) if required for data transfer.

Initial Setup

- Unpacking: Carefully unpack the analyzer from its shipping materials.
- Positioning: Place the analyzer on a stable, flat surface away from direct sunlight and sources of vibration.
- Calibration:
 - Follow the manufacturer's guidelines to calibrate the device.
 - Use the provided calibration standards to ensure accuracy.

Operating the Stago Compact Max

Once the analyzer is set up, users can begin performing tests. Below are detailed instructions on how to operate the Stago Compact Max effectively.

Starting the Analyzer

1. Press the power button located on the front panel.
2. Wait for the system to boot up, which may take a few minutes.
3. Log in using your user credentials.

Loading Samples

To load samples into the analyzer, adhere to the following steps:

1. Sample Preparation:
 - Ensure samples are properly labeled and in appropriate tubes.
 - Mix samples gently if necessary.
2. Inserting Samples:
 - Open the sample chamber.
 - Place the sample tubes in the designated slots, ensuring they are securely fitted.
 - Close the sample chamber.

Running Tests

1. Select the desired test from the menu on the touchscreen.
2. Confirm sample selection and parameters.
3. Press the “Start” button to initiate testing.
4. Monitor progress through the display, which will show real-time updates.

Quality Control Procedures

Maintaining quality control is essential for ensuring the accuracy of results. Follow these procedures:

Routine Quality Control

- Daily Checks:
 - Run quality control samples before starting patient samples.
 - Ensure control results fall within acceptable ranges.
- Monthly Calibration:
 - Perform monthly calibrations as per the manufacturer's specifications.
 - Document all quality control results for compliance purposes.

Common Issues and Troubleshooting

Even with a well-maintained device, users may encounter occasional issues. Here are some common problems and their solutions:

- **Error Code 001:** Ensure that the sample tubes are properly inserted and that the chamber is closed securely.
- **Inaccurate Results:** Verify calibration status and run quality control tests to check for deviations.
- **Connectivity Issues:** Check the network connections and ensure that the LIS is properly configured.

If persistent issues occur, consult the technical support team for assistance.

Maintenance of the Stago Compact Max

Regular maintenance is vital for ensuring the longevity and accuracy of the Stago Compact Max. Follow these guidelines:

Daily Maintenance

- Clean the exterior of the device using a soft cloth.
- Ensure all sample trays and chambers are free from residues.

Weekly Maintenance

- Conduct a deeper cleaning of the sample chamber and any removable parts.
- Check the software for updates and install them as needed.

Annual Maintenance

- Schedule a professional service check to ensure all components are functioning optimally.
- Replace any worn or outdated parts to maintain performance.

Understanding Test Results

Interpreting the results generated by the Stago Compact Max is a critical part of the laboratory workflow. Here are some key points to consider:

Reading Reports

- The analyzer generates detailed reports for each test, including numerical values, reference ranges, and flags for abnormal results.
- Familiarize yourself with the report layout to quickly locate important information.

Common Test Parameters

- Prothrombin Time (PT): Measures how long it takes blood to clot, typically reported in seconds.
- Activated Partial Thromboplastin Time (aPTT): Assesses the intrinsic pathway of coagulation, also reported in seconds.
- Fibrinogen Levels: Indicates the amount of fibrinogen in the blood, crucial for assessing clotting ability.

Conclusion

The Stago Compact Max is a vital tool for laboratories focusing on coagulation testing. By following the guidelines outlined in this user manual, users can ensure optimal performance, accuracy, and reliability. Regular maintenance, efficient quality control practices, and thorough understanding of operation will enhance the laboratory's capacity to deliver precise diagnostic results. For further information or technical support, refer to the manufacturer's contact details provided in the documentation accompanying the device.

Frequently Asked Questions

What is the purpose of the Stago Compact Max User Manual?

The Stago Compact Max User Manual provides detailed instructions on the operation, maintenance, and troubleshooting of the Stago Compact Max analyzer, ensuring users can effectively utilize the device.

Where can I find the Stago Compact Max User Manual?

The Stago Compact Max User Manual can typically be found on the official Stago website under the support or resources section, or it may come included with the device upon purchase.

How do I calibrate the Stago Compact Max according to the user manual?

Calibration procedures for the Stago Compact Max are outlined in the user manual, which generally involves using specific calibrators and following step-by-step instructions to ensure accurate results.

What troubleshooting tips does the Stago Compact Max User Manual provide?

The user manual includes troubleshooting tips for common issues such as error messages, sample processing failures, and maintenance reminders to help users resolve problems effectively.

Is the Stago Compact Max User Manual available in multiple languages?

Yes, the Stago Compact Max User Manual is often available in multiple languages to accommodate a global user base; check the official website for available translations.

What safety precautions are highlighted in the Stago Compact Max User Manual?

The user manual emphasizes safety precautions such as proper handling of biological samples, adherence to laboratory safety protocols, and the use of personal protective equipment (PPE).

Can I download the Stago Compact Max User Manual as a PDF?

Yes, the Stago Compact Max User Manual is usually available for download in PDF format from the official Stago website, allowing users to easily access and print the manual.

Does the Stago Compact Max User Manual include maintenance schedules?

Yes, the user manual includes recommended maintenance schedules to ensure optimal performance of the Stago Compact Max, detailing routine checks and servicing intervals.

What are the key features of the Stago Compact Max mentioned in the user manual?

The user manual highlights key features of the Stago Compact Max, such as its high throughput, advanced technology for coagulation testing, user-friendly interface, and connectivity options.

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