

Byonoy Absorbance 96 Microplate Reader

Product No. MCH3005

Introduction

The Byonoy Absorbance 96 ELISA Microplate Reader is a compact plate reader designed to simplify your laboratory's workflow. The small and open design makes it easily portable between laboratories or for field use. The simple-to-use analysis software can be downloaded onto any device (Windows or macOS).

Ninety-six (96) individual detection units simultaneously read signals from all wells without moving parts, ensuring long-term precision and accuracy.



Usage Procedure

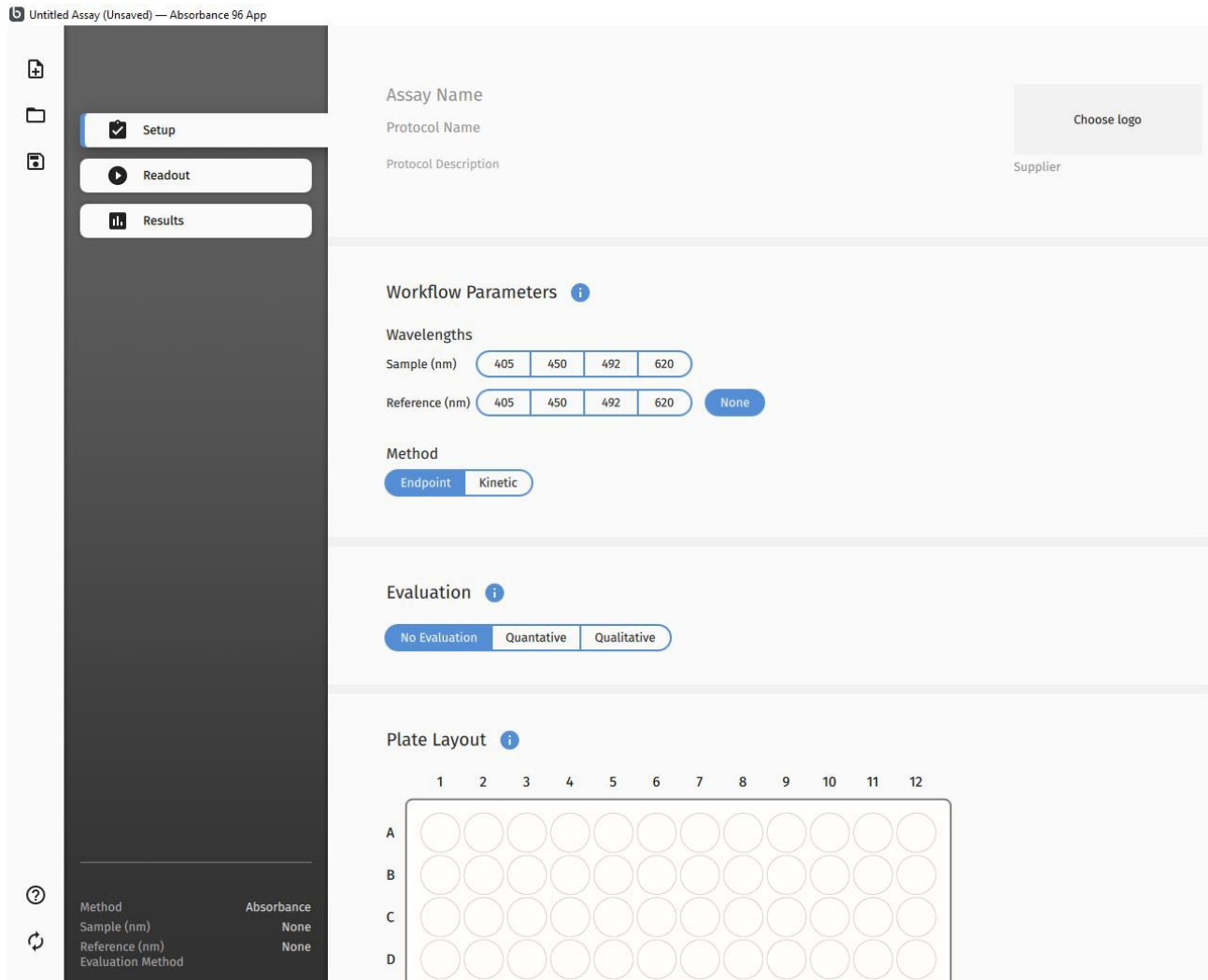
Software and Setup

1. Download the software app from s.byonoy.com/abs96.
2. Install the app by running the Setup Wizard.
 - On a Windows computer (Windows 7 and up), run the file '**absorbance96setup_2024_08.exe**'.
 - On a Mac OS computer (Mojave 10.14 or up), run the file '**absorbance_96_app-2024_08_0.dmg**'
3. Connect the Byonoy reader to a computer via the supplied USB cable.
4. Open the '**Byonoy Absorbance 96 App**'.

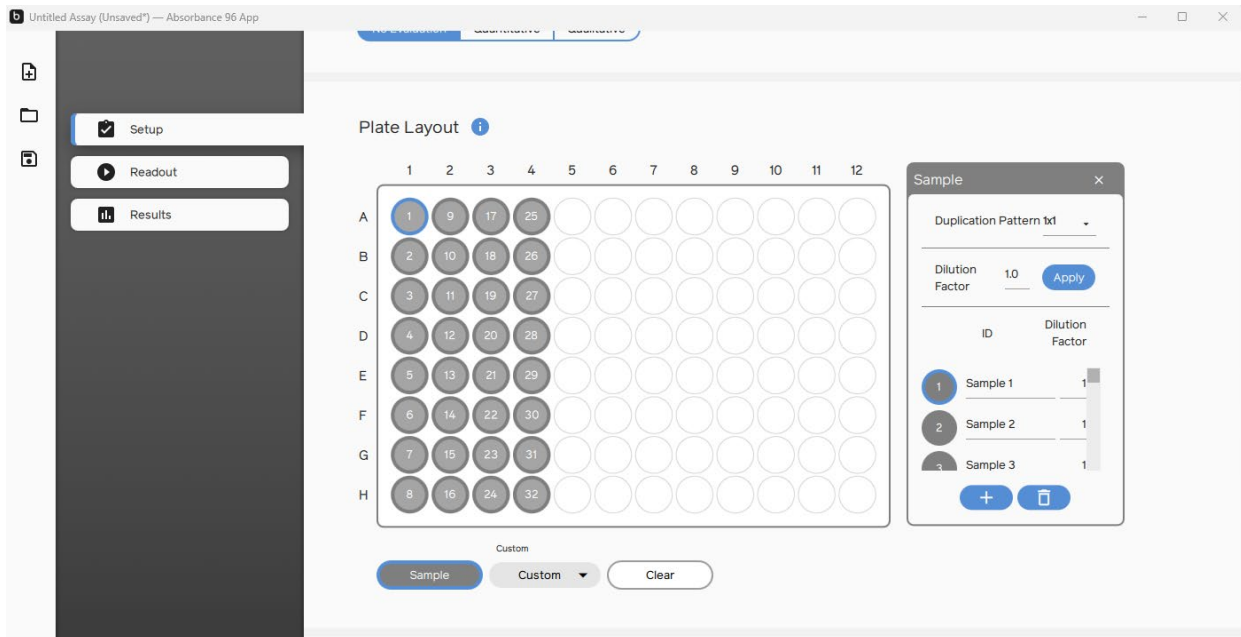


Absorbance 96 App Operation

The Absorbance 96 App is used to operate the Absorbance 96 plate reader and process the results. The main window appears automatically after the app is started and the reader is connected.



1. From the **Setup** window, select Sample Wavelength **450** nm.
2. Select Reference Wavelength **none**.
3. Select the Measurement Mode of **Endpoint**.
4. From “Analysis Parameters”, select **No Evaluation**.
5. For Plate Layout, click the **Sample** button and highlight the wells to be tested in the diagram (example is shown below).



6. Select **Readout** from the left side of the screen.
7. Ensure the reader slot is empty for initiation (self-check) and click **OK**.
8. Remove the lid from the microplate and insert it fully into the microplate reader slot.
9. Click **OK**.
10. Data can be saved and printed or exported as a **.PDF or .CSV file**.
 - The* .pdf file will only show the results for the selected wells. The *.csv file shows all wells read but will allow you to copy/paste results into our Excel Calculation sheets.
11. Remove the microtiter plate by pressing the button on the rear of the microplate reader.
12. Enter the exported readings into the Hygiena Calculation sheet for your assay.
 - Helica® Mycotoxin ELISA Calculation [Worksheet](#)
 - AlerTox® ELISA Calculation [Worksheet](#)
 - GlutenTox Elisa Calculations:
 - Competitive G12 Calculation [Worksheet](#) (Form 3088)
 - Rapid G12 Calculation [Worksheet](#) (Form 3087)