

BIOCHROM ANTHOS 2020 MICROPLATE READER

QUICK START GUIDE



1. Connect instrument to a power source using the appropriate power cord. Turn on the instrument.
 - ✓ Check user's manual for important safety information.
2. Upon start up, the main menu will appear on the screen:



Figure 1. Anthos 2020 Display and Main Menu

To select options in the menu bar in the upper left corner, select menu and then the arrow keys to move the cursor to your selection. Select enter to access the option. Select stop to go back. The options at the bottom of the screen can be accessed using the function key below the desired option.

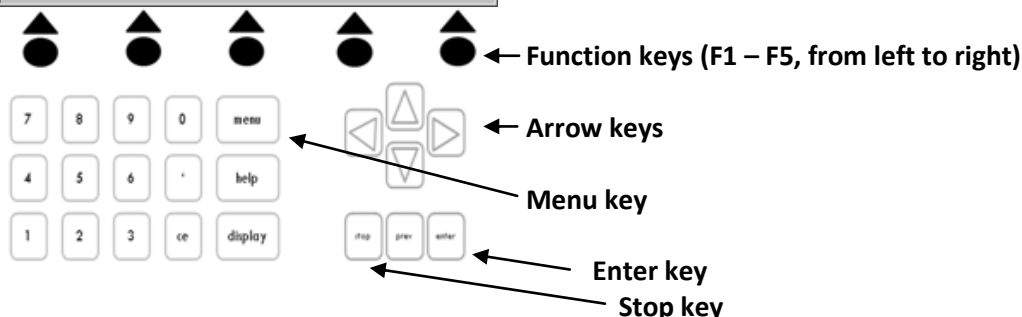


Table 1 Anthos 2020 Keys and Functions

Keypad Options	Function	Function Key Options	Function
<stop>	Aborts the current task including during a measurement Cancels dialogues boxes Aborts remote mode	QUICK (F1)	Starts a quick measurement without test programming
<prev>	Returns the user to the previous dialogue element	RUN-TEST (F2)	Starts a pre-programmed test
<enter>	Confirms the text or numerical entry and leads the user to the next dialogue element	INIT (F4)	Performs an initialization of the instrument
<ce>	Changes and edits existing values Activates the text and/or formula input menu Opens printer drop down menu in Setup	SHUTDOWN (F5)	Prepares the instrument to be turned off
<display>	Changes the contrast of the display		

3. Before reading a plate, determine the location of the data export. Measurements can be saved on the instrument or printed. To connect the instrument to a printer, select **menu>setup>enter** on the keypad. See the user's manual for compatible printers. Quick measurements are not saved on the instrument.
 - ✓ **Note:** a test definition is required to save plate measurement results on the instrument.
4. To perform a quick single point measurement, select **Quick** using the F1 key or in the menu bar.

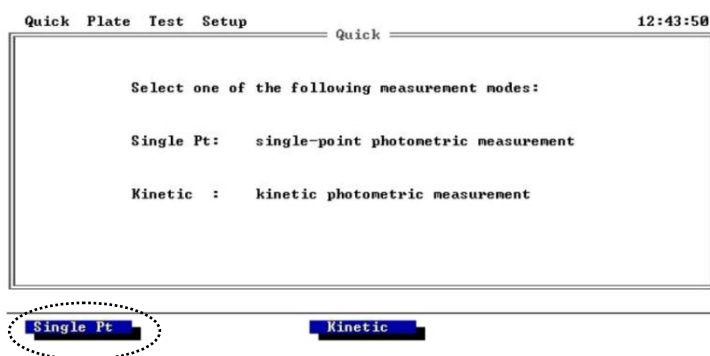


Figure 2 Quick Measurement Screen

5. Two options will appear on the display: **Single Pt** and **Kinetic**. For simple endpoint measurements. Select **Single Pt** using the F1 key.
6. Next, select the measurement filter by highlighting the filter using the arrow keys. Once the desired wavelength is selected, press enter to select a reference filter.
 - ✓ **Note:** A reference reading is recommended to account for optical interference that may result from the plate. For reference reading, select a wavelength that the sample of interest does not absorb.
6. Initiate the measurement by selecting the F5 key, **Start Meas**. The measurements will start after initiation of the light source.
7. The readings will appear on the screen in real-time. The final data (measurement data – reference data = final data) will appear on the display after both the measurement and reference readings have occurred. To display the raw data on the screen, select F3 and F4 to scroll between the three screens (measurement data, reference data and final data).
8. Select F5 to **Print**. To include raw data in the printout, select **Yes>Enter** when prompted.