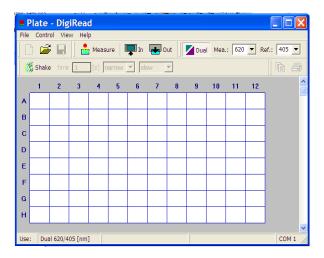
BIOCHROM ASYS EXPERT 96 MICROPLATE READER

QUICK START GUIDE



- 1. Connect instrument to a power source using the appropriate power cord. Switch on instrument at the back of the instrument.
 - ✓ If this is the first time the instrument is being used, allow instrument to warm-up to room temperature before turning on.
 - ✓ Check the user's manual for important safety information.
- 2. Connect instrument to a PC using a serial port cable or a serial to USB port adaptor.
- 3. Determine the communication port (com) used by the instrument in the PC. In the Start menu of the PC, go to Control Panel\System\Hardware\Device Manager\Ports.
 - 4. Insert the CD supplied with the instrument into PC, install DigiRead. Open **DigiRead**. In **File>Properties>Port** set the com port that is used by the instrument.
- 5. Configure DigiRead view: In the task bar, select **View** to display functions on the task bar: Select all for ease of use.



- ✓ Measure tool- Initiate measurement
- ✓ **Dual Filter tool** To set two filters for measurement
- ✓ Single Filter tool- To set one filter for measurement
- ✓ **Shaker tool**-Set time, mode and speed of shaking.
- ✓ **File tool** Use for opening and saving measurement data.
- Output tool- For printing and specifying printing and copying
- 6. In the task bar, select **Control > Read Filters** to determine available filters.
- 7. Select **Control>Calibrate Filters**. Calibrate all filters by selecting each one. Select **Calibrate** to initiate. Calibration adjusts the lamp intensity at each wavelength to a value that guaranties optimum measurement conditions and highest resolution.

- 8. The instrument is now ready for reading a plate. To read a plate, select the measurement filter and the reference filter in the task bar
 - ✓ It is recommended to use a reference filter to control for optical inference from the plate.
- 9. Select **Plate Out** if plate transporter is not ready to load a plate. Place plate in the plate transporter. Select **Measure**.
 - ✓ Measurements will appear in the open matrix in DigiRead.
- 10. Data can be copied to data analysis software using the **Copy** button. Data will paste as a matrix with filter wavelength, and time and date of reading.

Installing a new filter:

- 1. Turn off the instrument. Unplug from power source.
- 2. Orient the instrument so that instrument is facing forward. On the right side of the instrument is a panel with a knob. Use the knob to slide open the panel to reveal the filter wheel.
- 3. Manually rotate the wheel until empty position is visible. Gently place filter in empty position.
 - ✓ Note: Do not touch the filter only the housing when installing into the filter wheel.
- 4. Go to **Control>Calibrate Filters**. Select filter to calibrate in the dialogue box. Enter in the wavelength of the filter in the appropriate position in the filter wheel. Select **Calibrate**.