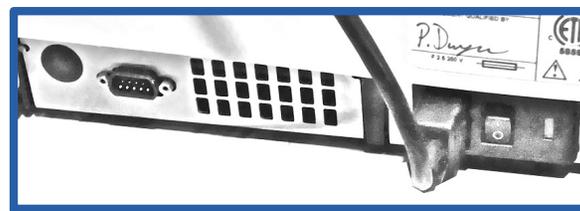


Thermo Scientific Spectrophotometer Model: Biomate 3



8 AC power and RS232C port are located on the rear of the unit. There are also four slots for optional printer installation.

7 Sample placement chamber



9 Display screen – Shows data and offers interactive prompts for navigation of features.



6 Cell position keys – allow for positioning of up to 5 samples.



10 Plastic protective dust/spill cover



1 Esc button – cancels previous entry/returns to previous screen

2 Arrow keys – toggle through selections.

3 Utility button – allows for setting of all parameters

4 Test button – displays different types of tests.

5 Enter button – accepts answer/starts test.

SETUP

A

Ensure equipment is on a flat, even surface.

B

Turn on Power Switch(1 = ON, 0 = OFF)

C

Allow machine to run self-diagnostics.

D

To set up Time/Date, Language, Baseline Expiration and other parameters, press the UTILITY button and follow on screen prompts. **3**

E

Open lid and place square cuvette in chamber. Make sure that clear sides face forward/backward of the unit. If using a test tube, make fiducial mark for consistent orientation.

F

Close lid and proceed to Operation.

OPERATION

A

Before measuring Absorbance(or Concentration), create a blank using guidelines from section 3.6 of user's manual.

B

To Set wavelength, press <Set nm> or any number key.

C

After setting wavelength, press <Change Mode> to set measurement mode.

D

Press <Units/Standard> to set the units and measure the standard. Use the number keys to enter the concentration value of the standard and press ENTER.

E

Select Units using the arrow keys and press ENTER.

F

Press <Measure Standard> to measure the standard. Unit will display the absorbance and calculated factor.

HAZARDS



ELECTRICAL HAZARD
This equipment contains electrical units that may come into contact with skin or liquids.



SLIP HAZARD
Because chemicals are being moved near this unit, a slip hazard may be created.



PINCH HAZARD
This unit has parts which may close causing a pinch hazard.



CHEMICAL HAZARD
Because chemicals are being used in and near this unit, chemical spills are possible.



FIRE HAZARD
Any improper use of this unit may cause a fire hazard.

PREVENTION



EYE PROTECTION
Wear safety glasses while operating.



PROTECTIVE GLOVES
Wear appropriate gloves for heat and/or chemical usage.



NON-SLIP, CLOSED SHOES
Wear non-slip, closed shoes to avoid spills.



READ MANUAL
This guide contains information for quickly using the unit. For full details consult the User's Manual.

For additional help contact the Lab Space Manager