

Spectrophotometers

Eppendorf Biophotometer Plus (PSC 555)

Every time you use the Spectrophotometers, you MUST sign the log book.

Contact: Sonja Young (404) 413-5363; sstovall@gsu.edu for help with the Biophotometer

Biophotometer Plus

1. Warm up not needed
2. Turn on instrument, back of instrument, just above power cord.
3. Press button for what you need to do. DNA, RNA, Protein, O.D. 600, etc.
4. Using arrows and enter buttons, scroll to whatever submenu you want. DNA/RNA – select type of DNA or RNA; Proteins – select assay type, Absorbance – select wavelength you want.
5. Slide blue cover back.
6. Hold cuvette by grooved sides not clear sides. After sample loaded (at least 50 ul) in cuvette, place cuvette in slot with clear sides lined up with the arrow (direction of light path). Push firmly. Check to make sure no bubbles.
7. First blank with water or buffer. Select Blank button.
8. Enter dilution. Select Parameter/Dilution button. Cuvette size – Enter; Unit – select unit using arrows, Enter; Factor – leave as is, Enter.
9. Load sample into cuvette. Place in cuvette holder. Press Sample button.
10. For DNA samples, the window will show 230, 260, 280, 320 and ratios 260/280 (1:2) and 260/230.
11. Turn instrument off.
12. Put dust cover back on cuvette slot or slide cover over slot for Plus

Biophotometer Plus front panel



