

# Spectrophotometers

## Eppendorf Biophotometer (Kell 405)

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

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## Eppendorf Biophotometer

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, Assay type.
4. Remove dust cover from cuvette holder.
5. 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.
6. First blank with water or buffer. Select Blank button.
7. Enter dilution. ul sample Press enter. ul diluent Press enter.
8. Load sample into cuvette. Place in cuvette holder. Press Sample button.
9. For DNA samples, the window will show 230, 260, 280 and ratios 260/280 (1:2) and 260/230.
10. Turn instrument off.
11. Put dust cover back on cuvette slot.

### Biophotometer front panel



