

How to use the Berk lab spectrophotometer

1. Turn **ON**. Allow the machine to warm up.

For DNA [λ] determination	For protein [λ] determination	For OD of cells
2. Turn on UV switch. Allow UV lamp to warm up for 30'.	2. Turn on VIS switch.	2. Turn on VIS switch.
3. Set to MULTIPLE .	3. Set to SINGLE .	3. Set to SINGLE .
4. Use down arrow to get down to line, type in 260 and 280 , press ENTER .	4. Use down arrow to get down to line, type in 595 , press ENTER .	4. Use down arrow to get down to line, type in 600 , press ENTER .
5. Fill cuvette with blank = TE or H ₂ O.	5. Fill cuvette with blank = dye solution.	5. Fill cuvette with blank = broth.

6. Press **START**. This will blank it.
7. Remove blank cuvette, and measure sample cuvettes one by one. Press **RUN** each time.
8. When all samples have been read, press **COPY**. This will give you a print out of your readings.
9. Turn machine to **IDLE**.