

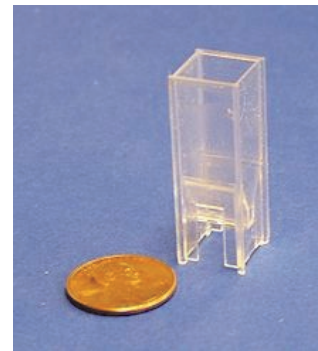


# Photometer Use

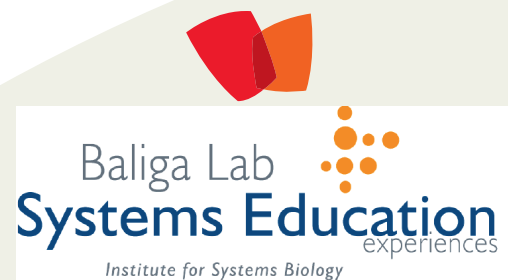
## HOW TO USE A SPECTROPHOTOMETER



- Turn on the spectrophotometer.
- Set the spectrophotometer to the desired wavelength of light. The standard is 600 nanometers.
- Dispense the liquid or culture into a cuvette. Be sure to check the cuvette to see the minimum amount of liquid to dispense.
- Take the black cover off of the chamber.
- To calibrate the spectrophotometer, wipe down a cuvette of the solvent in which the specimen is suspended with a Kimwipe and place it into the chamber and press the “Blank” button.



- Cuvettes
- Kimwipes
- Spectrophotometer



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# Photometer Use

CONTINUED



- After the spectrophotometer has been calibrated, you can wipe the cuvette with the sample liquid or culture with the Kimwipe and put it into the chamber.
- Press the “Sample” button.
- To print the results sheet, turn the printer offline and press the “Feed” button so that the sheet will be easier to tear. Be sure to turn the printer back online afterwards.
- A spectrophotometer measures the amount of light absorbed by a substance, or the amount of light transmitted through the substance. The letter “A” on the results page refers to the absorbency of the sample.

Pictures from:

- <http://www.pharmaceutical-int.com/article/programmable-visible-spectrophotometer.html>
- <http://www.answers.com/topic/cuvette>
- <http://www.2spi.com/catalog/supp/Push-Up-Kimwipe-Disperser.php>
- [http://york-bio.com/Cuvette\\_Photo\\_large.jpg](http://york-bio.com/Cuvette_Photo_large.jpg)



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