

Substitute Kinetic Data for Phosphatase Expt.

One group in Monday Lab did not get good kinetic data. If your data are not any good for the enzyme kinetics part of Experiment 2, you can use this data set (which were donated by another lab group):

Not Inhibited:

| Vol 25 mM pNPP (ml) | 10 min A-405 | 20 min A-405 |
|---------------------|--------------|--------------|
| 0.05 | 0.228 | 0.430 |
| 0.10 | 0.351 | 0.610 |
| 0.20 | 0.406 | 0.736 |
| 0.50 | 0.428 | 0.818 |
| 1.00 | 0.486 | 0.949 |

Phosphate added:

| Vol 25 mM pNPP (ml) | 10 min A-405 | 20 min A-405 |
|---------------------|--------------|--------------|
| 0.05 | 0.085 | 0.165 |
| 0.10 | 0.098 | 0.191 |
| 0.20 | 0.165 | 0.319 |
| 0.50 | 0.246 | 0.507 |
| 1.00 | 0.320 | 0.631 |

Fluoride added:

| Vol 25 mM pNPP (ml) | 10 min A-405 | 20 min A-405 |
|---------------------|--------------|--------------|
| 0.05 | 0.146 | 0.265 |
| 0.10 | 0.160 | 0.255 |
| 0.20 | 0.160 | 0.298 |
| 0.50 | 0.175 | 0.396 |
| 1.00 | 0.184 | 0.360 |

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