

Sample Results Section Grading Rubric
(Customized for *Tetrahymena* Phagocytosis experiments)

Grading criteria	Points
<p>1. Figure.</p> <ul style="list-style-type: none"> • Data are presented in <u>one figure</u> consisting of a column graph of the average # ink-filled vacuoles (or ingested beads) vs. time w/ multiple data series for the different experimental conditions OR multiple bar graphs of average # ink-filled vacuoles vs. time for the different conditions. (2.5 pts) • Figure is <u>numbered</u> and (if present) panels within the figure are <u>labeled with letters</u>. (1 pt) • Graph axes are descriptively labeled (including units if appropriate). (1 pt) • Graph(s) include(s) <u>error bars</u> showing standard deviations calculated for each mean. (2 pts) • Figure <u>title</u> is <u>below</u> the figure, after the figure number (<u>not</u> above the graph). Title clearly states what is shown in the graph(s), mentioning your specific experimental variable. (1 pt) • Figure title is followed by a <u>legend</u> containing a clear description of <u>how the data were obtained</u> (without excessive methodological details). If multiple panels are present, each is mentioned in the legend by letter. Any notations on the figure are explained in the legend (including the fact that the error bars indicate standard deviations). (2.5 pts) 	/ 10
<p>2. Results narrative.</p> <ul style="list-style-type: none"> • The Results narrative is placed <u>before</u> the figure. (1 pt) • The narrative follows the “Why, How, Where, What, So What?” formula described in the Scientific Writing Workshop. <u>All</u> components of this formula are included: <ul style="list-style-type: none"> – Why—What experimental question were you asking? (1 pt) – How—Describe how you performed the experiment. (1 pt) – Where—In which figure/panel are the data shown? (State figure # and panel letter if appropriate.) (1 pt) – What—Describe the data shown in the graph in as much detail as possible. (1 pt) – So what—State your <u>conclusion</u> (i.e. answer your experimental question). (1 pt) • Descriptions of the data and conclusions drawn from them are correct. (2 pts) • Proper spelling, punctuation, and grammar are used. (2 pts) 	/ 10
TOTAL	/ 20