**MICROBIOLOGY 281**

**FIRST NOTEBOOK GRADE SHEET**

**STUDENT ASSISTED GRADING:** Check appropriate box:

- **Ok**
- **-1**
- **-2**
- **-3**
- **-4**
- **Fank help?**

**ENTRIES:**

<table>
<thead>
<tr>
<th>Entry</th>
<th>Illustration Criteria</th>
<th>Points Deducted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Binocular microscope, direction to lower stage indicated</td>
<td>Black pen line drawing</td>
<td>0</td>
</tr>
<tr>
<td>Data: Media Prep: <em>TITLE of your medium. Actual wts.</em></td>
<td>sized to fill page</td>
<td>0</td>
</tr>
<tr>
<td>Illus: Gm stain: yogurt and <em>E. coli</em> combined, rxns shown</td>
<td>clarity and detail</td>
<td>0</td>
</tr>
<tr>
<td>Humidifier’n flask, manifold, hotblock, tube &amp; bubbles</td>
<td>accuracy</td>
<td>0</td>
</tr>
<tr>
<td>Graph: <em>A</em>&lt;sub&gt;609&lt;/sub&gt; vs Dye Concentration, linearity, zero</td>
<td>all labels fr protocol</td>
<td>0</td>
</tr>
<tr>
<td>Graph: Growth Curve Semi-log, correct 2x time?</td>
<td>source, stain, magnif’n</td>
<td>0</td>
</tr>
<tr>
<td>Diagram: Plan of Plate Count expt, yeast or <em>E. coli</em></td>
<td>GRAPHs: meanfl titled</td>
<td>0</td>
</tr>
<tr>
<td>Data table: Plate Count, data &amp; calculations clear</td>
<td>ref’d to orig data</td>
<td>0</td>
</tr>
<tr>
<td>Illus’n: Yeast, <em>E. coli</em>, contam, Gm rxn, accurate scale.</td>
<td>graph properly sized</td>
<td>0</td>
</tr>
<tr>
<td>Illus: <em>Neisseria</em>, all cells labeled, Gm rxn, source, signif.</td>
<td>intervals 1,2,5 or 10</td>
<td>0</td>
</tr>
</tbody>
</table>

**SUGGESTIONS/CONCLUSIONS:** For extra 3 points: typed on single page, cross ref’d to appropriate NB pg.

**NB page #:**

- **First** | **excel** | **adeq** | **avg** |
- **Second** | If you have more than five, pick your best five for review. |
- **Third** | |
- **Fourth** | |
- **Fifth** | |

**Notebook Entries, Overall:**

- **Handout Table filled in:** All protocols permanently mounted with non-embossed contact paper, *intact. Title* for each handout, between lines 1 & 3.
- **Your Tbl of Contents:** Typed, single spaced, dated, mounted in front pages.
- **Pen permanent, black and fine.** (not ball point) used for all entries.
- **Dates for each entry made:** Top L. Odd pages clearly numbered, top R.
- **Title for each page:** Meaningful & in CAPS. Entries start below line 9.
- **Labeled cross ref’s for each page (protocols, illustrations, data, etc) on line 6.**
- **Fresh page** for each expt. Adequate open space. Numerical data offset.
- **Suggestions and/or conclusions** (scoring based on table above)
  - You get an additional 3 points for typing on a single page and cross referencing.
  - **Care shown in presentation:** Detailed data entered *directly* → book.
  - **Features explained** (& colored?). Additional non-required materials?

\[
(\_\times 2) + \_ \times \_ = \_ \times \_ = \_ \_
\]

\[
\text{Number of check “pluses:” } \_ \times (\_ + 3) = \_
\]

\[
\text{Number of check deficiencies: } \_ \times (\_ - 3) = \_
\]

\[
\text{Student graded points = } 18 - \_ \_ = \_
\]

\[
\text{Illustration points = } 34 - \_ \_ = \_
\]

**Notebook procedure, overall**

**Notebook procedure: bonus points**

**Notebook procedure: demerits**

**Student assisted (fr table at top)**

**Illustration points**

**Total raw points earned (at top of page)**

Revised 21 July 2011
binocular microscope, direct’n to lower stage

**Data:** Media Prep: *TITLE of your medium. Actual wts.*

Autoclave, numbers clear on all pertinent dials

Humidificat’n flask, manifold, hotblock, tube& bubbles

Handout of Bacterial Growth data (7/15/10)

**Linear Graph:** Growth Curve, coordinates correct

**Diagram:** Plan of ser. dil. tech, (meth blue), vols. clear

**Graph:** $A_{609}$ vs Dye Concentration, linearity, zero pt?

**Diagram:** Plan of Plate Count expt, yeast or *E. coli*

**Data table:** Plate Count, data & calculations clear

*Neisseria*, all cells labeled, Gm rxn, source, significance