**Examples of growth curve data and graphs**

The data shown here was generated by growing *E. coli* in minimal media and lactose at 37degrees C. Use these data to prepare a graph. Once created, choose appropriate points which you would use to determine the growth rate and generation time of the culture.

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| Time (hours) | Viable Cells |
|  | 7.80 x 106 |
| 1.0 | 1.08 x 107 |
| 2.0 | 3.20 x 107 |
| 2.5 | 6.40 x 107 |
| 3.0 | 2.02 x 108 |
| 3.5 | 3.56 x 108 |
| 4.0 | 9.60 x 108 |
| 4.5 | 3.60 x 108 |
| 5.0 | 9.50 x 108 |
| 5.5 | 1.83 x 109 |
| 6.0 | 1.05 x 109 |
| 6.5 | 1.41 x 109 |
| 7.0 | 1.03 x 1010 |
| 7.5 | 1.00 x 109 |
| 24.5 | 4.20 x 108 |
| 25.5 | 1.00 x 108 |
| 26.5 | 7.00 x 108 |
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