**Enzyme Activity Graphs**

**V0 vs [S] Logarithmic Plots for marble transferase 1-3**

Figure : Marble Transferase 1

Figure : Marble Transferase 2

Figure : Marble Transferase 3

Using Figures 1-3:

**Estimated Vmax and Km from V vs [S] logarithmic plot (3 sig. fig)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Marble Transferase** | **1** | **2** | **3** |
| Vmax | 9.05 | 9.95 | 8.98 |
| Km | 4.05 | 4.27 | 4.63 |

**Lineweaver-Burk Plots for Marble Transferase 1-3:**

Figure : Lineweaver-Burk Plot for Marble Transferase 1

Figure : Lineweaver-Burk Plot for Marble Transferase 2

Figure : Lineweaver-Burk Plot for Marble Transferase 3

Using Figures 4-6:

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **1** | **2** | **3** |
| Vmax | 10.8 | 11.9 | 10.4 |
| Km | 8.31 | 8.83 | 8.94 |

**Estimated Vmax and Km from Lineweaver-Burk Plot (3 sig. fig)**