iMMEDIATE POST-THAW – ALL 8 PLATES

**One-way ANOVA: Survival versus Treatment**

**Method**

|  |  |
| --- | --- |
| Null hypothesis | All means are equal |
| Alternative hypothesis | Not all means are equal |
| Significance level | α = 0.05 |
| Rows unused | 2 |

*Equal variances were assumed for the analysis.*

**Factor Information**

|  |  |  |
| --- | --- | --- |
| **Factor** | **Levels** | **Values** |
| Treatment | 3 | LDH1, Manual, Uncontrolled |

**Analysis of Variance**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Source** | **DF** | **Adj SS** | **Adj MS** | **F-Value** | **P-Value** |
| Treatment | 2 | 4540 | 2270.1 | 13.76 | 0.000 |
| Error | 21 | 3465 | 165.0 |  |  |
| Total | 23 | 8006 |  |  |  |

**Model Summary**

|  |  |  |  |
| --- | --- | --- | --- |
| **S** | **R-sq** | **R-sq(adj)** | **R-sq(pred)** |
| 12.8460 | 56.71% | 52.59% | 43.46% |

**Means**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Treatment** | **N** | **Mean** | **StDev** | **95% CI** |
| LDH1 | 8 | 46.22 | 15.28 | (36.78, 55.67) |
| Manual | 8 | 45.37 | 13.28 | (35.93, 54.82) |
| Uncontrolled | 8 | 16.63 | 9.24 | (7.19, 26.08) |

*Pooled StDev = 12.8460*

**Tukey Pairwise Comparisons**

**Grouping Information Using the Tukey Method and 95% Confidence**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Treatment** | **N** | **Mean** | **Grouping** | |
| LDH1 | 8 | 46.22 | A |  |
| Manual | 8 | 45.37 | A |  |
| Uncontrolled | 8 | 16.63 |  | B |

*Means that do not share a letter are significantly different.*

**Tukey Simultaneous Tests for Differences of Means**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Difference of Levels** | **Difference of Means** | **SE of Difference** | **95% CI** | **T-Value** | **Adjusted P-Value** |
| Manual - LDH1 | -0.85 | 6.42 | (-17.02, 15.32) | -0.13 | 0.990 |
| Uncontrolled - LDH1 | -29.59 | 6.42 | (-45.76, -13.42) | -4.61 | 0.000 |
| Uncontrolled - Manual | -28.74 | 6.42 | (-44.91, -12.57) | -4.48 | 0.001 |

*Individual confidence level = 98.00%*



