

APPENDIX

Appendix 1

1) Extract picture



Appendix 2 Analysis Test Result.

1) Descriptive test result

Descriptives

Escherichia coli colony

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
0%	4	1624.7500	206.47417	103.23709	1296.2035	1953.2965	1424.00	1908.00
4.5%	4	67.5000	23.62908	11.81454	29.9009	105.0991	50.00	100.00
5.0%	4	27.5000	9.57427	4.78714	12.2652	42.7348	20.00	40.00
5.5%	4	7.5000	5.00000	2.50000	-.4561	15.4561	.00	10.00
6.0%	4	.0000	.00000	.00000	.0000	.0000	.00	.00
Total	20	345.4500	661.89246	148.00365	35.6748	655.2252	.00	1908.00

2) One Sample Kolmogorov-Smirnov Test.

One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		20
Normal Parameters ^{a,b}	Mean	.0000000
	Std. Deviation	1.54082784E2
Most Extreme Differences	Absolute	.132
	Positive	.132
	Negative	-.126
Kolmogorov-Smirnov Z		.590
Asymp. Sig. (2-tailed)		.877

a. Test distribution is Normal.

b. Calculated from data.

3) Test of Homogeneity of Variances.

Test of Homogeneity of Variances

Escherichia coli colony

Levene Statistic	df1	df2	Sig.
1.850	4	15	.083

4) One Way ANOVA

ANOVA

Escherichia coli colony

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	8194011.200	4	2048502.800	236.512	.000
Within Groups	129919.750	15	8661.317		
Total	8323930.950	19			



5) Post Hoc Tukey

Multiple Comparisons

Escherichia coli colony
Tukey HSD

(I) Concentration	(J) Concentration	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
.00	4.50	1557.25000*	65.80774	.000	1354.0407	1760.4593
	5.00	1597.25000*	65.80774	.000	1394.0407	1800.4593
	5.50	1617.25000*	65.80774	.000	1414.0407	1820.4593
	6.00	1624.75000*	65.80774	.000	1421.5407	1827.9593
4.50	.00	-1557.25000*	65.80774	.000	-1760.4593	-1354.0407
	5.00	40.00000	65.80774	.972	-163.2093	243.2093
	5.50	60.00000	65.80774	.888	-143.2093	263.2093
	6.00	67.50000	65.80774	.840	-135.7093	270.7093
5.00	.00	-1597.25000*	65.80774	.000	-1800.4593	-1394.0407
	4.50	-40.00000	65.80774	.972	-243.2093	163.2093
	5.50	20.00000	65.80774	.998	-183.2093	223.2093
	6.00	27.50000	65.80774	.993	-175.7093	230.7093
5.50	.00	-1617.25000*	65.80774	.000	-1820.4593	-1414.0407
	4.50	-60.00000	65.80774	.888	-263.2093	143.2093
	5.00	-20.00000	65.80774	.998	-223.2093	183.2093
	6.00	7.50000	65.80774	1.000	-195.7093	210.7093
6.00	.00	-1624.75000*	65.80774	.000	-1827.9593	-1421.5407
	4.50	-67.50000	65.80774	.840	-270.7093	135.7093
	5.00	-27.50000	65.80774	.993	-230.7093	175.7093
	5.50	-7.50000	65.80774	1.000	-210.7093	195.7093

*. The mean difference is significant at the 0.05 level.

Homegenous Subset

Escherichia coli colony			
Tukey HSD ^a			
Concentration	N	Subset for alpha = 0.05	
		1	2
6.0%	4	.0000	
5.5%	4	7.5000	
5.0%	4	27.5000	
4.5%	4	67.5000	
0%	4		1624.7500
Sig.		.840	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

6) Correlation Test

Correlations			
		Escherichia coli colony	Concentration
Escherichia coli colony	Pearson Correlation	1	-.973**
	Sig. (2-tailed)		.000
	N	20	20
Concentration	Pearson Correlation	-.973**	1
	Sig. (2-tailed)	.000	
	N	20	20

** . Correlation is significant at the 0.01 level (2-tailed).