EOEC Polyacrylate Average Percent Volume Change
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All Valid Reference Data
Plotted by Lab

The GLM Procedure

Class Level Information

Class	Levels	Values
LTMSLAB	4	A B G I

Number of Observations Read	571
Number of Observations Used	571

EOEC Polyacrylate Average Percent Volume Change
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The GLM Procedure

Dependent Variable: VOLC

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	29.4039008	9.8013003	15.29	<.0001
Error	567	363.4958463	0.6410861		
Corrected Total	570	392.8997471			

R-Square	Coeff Var	Root MSE	VOLC Mean
0.074838	56.41225	0.800679	1.419335

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LTMSLAB	3	29.40390076	9.80130025	15.29	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LTMSLAB	3	29.40390076	9.80130025	15.29	<.0001

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The GLM Procedure

Dependent Variable: HARD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	60.887930	20.295977	9.45	<.0001
Error	567	1217.385275	2.147064		
Corrected Total	570	1278.273205			

R-Square	Coeff Var	Root MSE	HARD Mean
0.047633	-99.60458	1.465286	-1.471103

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LTMSLAB	3	60.88792973	20.29597658	9.45	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LTMSLAB	3	60.88792973	20.29597658	9.45	<.0001

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The GLM Procedure

Dependent Variable: TENS

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	1249.26042	416.42014	8.02	<.0001
Error	567	29442.87329	51.92747		
Corrected Total	570	30692.13371			

R-Square	Coeff Var	Root MSE	TENS Mean
0.040703	645.9750	7.206071	1.115534

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LTMSLAB	3	1249.260422	416.420141	8.02	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LTMSLAB	3	1249.260422	416.420141	8.02	<.0001

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The GLM Procedure

Dependent Variable: ELON

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	1220.91013	406.97004	5.23	0.0014
Error	567	44140.93693	77.84998		
Corrected Total	570	45361.84706			

R-Square	Coeff Var	Root MSE	ELON Mean
0.026915	-60.83268	8.823263	-14.50415

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LTMSLAB	3	1220.910133	406.970044	5.23	0.0014

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LTMSLAB	3	1220.910133	406.970044	5.23	0.0014

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The GLM Procedure
Least Squares Means

LTMSLAB	VOLC LSMEAN	LSMEAN Number
A	1.17548263	1
B	1.63000000	2
G	1.59622517	3
I	2.05166667	4

Least Squares Means for effect LTMSLAB
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: VOLC

i/j	1	2	3	4
1		<.0001	<.0001	0.0083
2	<.0001		0.7123	0.2061
3	<.0001	0.7123		0.1723
4	0.0083	0.2061	0.1723	

LTMSLAB	HARD LSMEAN	LSMEAN Number
A	-1.41698842	1
B	-1.94193548	2
G	-1.12582781	3
I	-0.33333333	4

Least Squares Means for effect LTMSLAB
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: HARD

i/j	1	2	3	4
1		0.0005	0.0528	0.0738
2	0.0005		<.0001	0.0086
3	0.0528	<.0001		0.1944
4	0.0738	0.0086	0.1944	

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The GLM Procedure
Least Squares Means

LTMSLAB	TENS LSMEAN	LSMEAN Number
A	0.41583012	1
B	2.85529032	2
G	0.94304636	3
I	-9.28333333	4

Least Squares Means for effect LTMSLAB
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: TENS

i/j	1	2	3	4
1		0.0009	0.4752	0.0012
2	0.0009		0.0207	<.0001
3	0.4752	0.0207		0.0007
4	0.0012	<.0001	0.0007	

LTMSLAB	ELON LSMEAN	LSMEAN Number
A	-16.0142857	1
B	-13.3746452	2
G	-12.9430464	3
I	-17.7833333	4

Least Squares Means for effect LTMSLAB
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: ELON

i/j	1	2	3	4
1		0.0034	0.0007	0.6275
2	0.0034		0.6690	0.2303
3	0.0007	0.6690		0.1881
4	0.6275	0.2303	0.1881	

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The GLM Procedure
Least Squares Means

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.