Supplementary Information

The Outcome of Generalized Linear Model Analyzed by SPSS 19.0

Table S1. OEC number. Parameter Estimate.

Parameter	B	Std. Error	95% Wald Confidence Interval		Hypothesis Test		
			Lower	Upper	Wald Chi−Square	df	Sig.
（Intercept）	88.254	5.6549	77.170	99.337	243.566	1	0.000
[Concentration = 3.00]	5.455	5.8157	−5.943	16.854	0.880	1	0.348
[Concentration = 2.00]	11.201	5.8926	−0.348	22.750	3.613	1	0.057
[Concentration = 1.00]	11.129	5.6540	0.048	22.211	3.875	1	0.049
[Concentration = 0.00]	0 [a]						
[Serum = 1.00]	−73.642	5.7109	−84.835	−62.448	166.279	1	0.000
[Serum = 0.00]	0 [a]						
[Process = 2.00]	−0.410	4.7568	−9.733	8.913	0.007	1	0.931
[Process = 1.00]	0 [a]						
[Process = 0.00]	0 [a]						
(Scale)	395.518 [b]	58.0015	296.715	527.220			

Dependent Variable: OEC_number; Model: (Intercept), Concentration, Serum, Process; [a] Set to zero because this parameter is redundant; [b] Maximum likelihood estimate. [Concentration = 0.00]: 5%; [Concentration = 1.00]: 10%; [Concentration = 2.00]: 15%; [Concentration = 3.00]: 20%; [Serum = 0.00]: FBS; [Serum = 1.00]: RS; [Process = 0.00]: From FBS to FBS; [Process = 1.00]: From RS to RS; [Process = 2.00]: From FBS to RS.

Table S2. OD aalue. Parameter Estimate

Parameter	B	Std. Error	95% Wald Confidence Interval		Hypothesis Test		
			Lower	Upper	Wald Chi-Square	df	Sig.
(Intercept)	0.324	0.0145	0.296	0.353	499.556	1	0.000
[Concentration = 3.00]	0.098	0.0219	0.055	0.141	20.079	1	0.000
[Concentration = 2.00]	0.145	0.0290	0.088	0.201	24.806	1	0.000
[Concentration = 1.00]	0.111	0.0290	0.054	0.168	14.555	1	0.000
[Concentration = 0.00]	0 [a]						
[Serum = 1.00]	−0.141	0.0239	−0.188	−0.094	34.730	1	0.000
[Serum = 0.00]	0 [a]						
[Process = 2.00]	−0.015	0.0219	−0.058	0.028	0.446	1	0.504
[Process = 1.00]	0 [a]						
[Process = 0.00]	0 [a]						
(Scale)	0.006 [b]	0.0009	0.004	0.008			

Dependent Variable: OD_value; Model: (Intercept), Concentration, Serum, Process; [a] Set to zero because this parameter is redundant; [b] Maximum likelihood estimate. [Concentration = 0.00]: 5%; [Concentration = 1.00]: 10%; [Concentration = 2.00]: 15%; [Concentration = 3.00]: 20%; [Serum = 0.00]: FBS; [Serum = 1.00]: RS; [Process = 0.00]: From FBS to FBS; [Process = 1.00]: From RS to RS; [Process = 2.00]: From FBS to RS.

Table S3. NT-3 concentration. Parameter Estimate.

Parameter	B	Std. Error	95% Wald Confidence Interval		Hypothesis Test		
			Lower	Upper	Wald Chi-Square	df	Sig.
(Intercept)	185.208	8.0302	169.469	200.947	531.950	1	0.000
[Concentration = 3.00]	−14.748	9.2724	−32.921	3.426	2.530	1	0.112
[Concentration = 2.00]	−25.378	9.2724	−43.552	−7.205	7.491	1	0.006
[Concentration = 1.00]	−23.684	9.2724	−41.858	−5.510	6.524	1	0.011
[Concentration = 0.00]	0 [a]						
[Serum = 1.00]	−125.177	8.0302	−140.916	−109.438	242.997	1	0.000
[Serum = 0.00]	0 [a]						
[Process = 2.00]	3.092	8.0302	−12.647	18.831	0.148	1	0.700
[Process = 1.00]	0 [a]						
[Process = 0.00]	0 [a]						
(Scale)	773.800 [b]	128.9667	558.164	1072.743			

Dependent Variable: NT3; Model: (Intercept), Centration, Serum, Process; [a] Set to zero because this parameter is redundant; [b] Maximum likelihood estimate. [Concentration = 0.00]: 5%; [Concentration = 1.00]: 10%; [Concentration = 2.00]: 15%; [Concentration = 3.00]: 20%; [Serum = 0.00]: FBS; [Serum = 1.00]: RS; [Process = 0.00]: From FBS to FBS; [Process = 1.00]: From RS to RS; [Process = 2.00]: From FBS to RS.