

Table 1: Statistical analysis data for the effect of NP-DMSA and NP-PEG-(NH₂)₂ on PT and aPTT; the number of samples was 6 for each concentration of bioferrofluids, 12 for PBS and 24 for control.

PT							
Mean ± SD (s)							
Conc.	Control	PBS	Unpaired	NP-DMSA	Unpaired	NP-PEG-(NH ₂) ₂	Unpaired
g/L			t-test		t-test		t-test
0.05	10.60±1.22	10.53± 1.30	0.8731	9.35 ± 0.87	0.0261	11.13 ± 1.27	0.3450
0.06	10.00±0.64	9.97 ± 0.54	0.8627	9.43 ± 0.49	0.0515	9.67 ± 0.74	0.2707
0.07	9.92±1.10	10.14 ± 1.18	0.5664	8.97 ± 0.72	0.0482	9.67 ± 1.16	0.6155
0.10	10.38±1.42	10.51 ± 1.16	0.7873	9.64 ± 0.55	0.2679	10.58 ± 2.35	0.7853
0.15	10.84±1.51	10.98 ± 1.06	0.7860	9.14 ± 0.81	0.0221	12.20 ± 2.56	0.0986
0.30	10.60±1.26	10.89±1.48	0.5645	8.52 ± 0.40	0.0005	11.78±1.95	0.0758
aPTT							
Mean ± SD (s)							
Conc.	Control	PBS	Unpaired	NP-DMSA	Unpaired	NP-PEG-(NH ₂) ₂	Unpaired
g/L			t-test		t-test		t-test
0.05	29.17±2.01	28.97 ± 1.85	0.7680	40.66 ±5.23	<0.0001	32.80 ± 0.99	0.0002
0.06	29.35±3.38	29.17 ± 3.26	0.8777	41.97 ± 2.29	<0.0001	33.98 ± 3.61	0.0061
0.07	29.61±2.47	29.78 ± 3.19	0.8688	51.74 ± 7.00	<0.0001	36.32 ± 2.95	<0.0001
0.10	29.24±2.58	29.62 ± 2.69	0.6873	54.15 ± 6.46	<0.0001	40.90 ± 1.92	<0.0001
0.15	29.52±3.46	29.34 ± 3.96	0.8934	55.15 ± 9.57	<0.0001	53.23 ± 9.46	<0.0001
0.30	29.41±2.86	30.85±4.70	0.2604	65.58 ± 6.13	<0.0001	49.37 ± 8.71	<0.0001

Table 2: Statistical analysis data for the effect of DMSA and PEG-(NH₂)₂ on PT, aPTT and Fibrinogen D; the number of samples was 6 for each concentration of DMSA and PEG-(NH₂)₂ and 12 for control.

PT (s)					
Mean ± SD (s)					
Conc.	Control	DMSA	Unpaired	PEG-(NH ₂) ₂	Unpaired
g/L			t-test		t-test
0.01	11.04±1.06	10.97 ± 1.19	0.8932	11.15 ± 1.12	0.8431
0.1	10.78±0.70	11.25 ± 0.78	0.2174	11.22 ± 0.90	0.2769
aPTT					
Mean ± SD (s)					
Conc.	Control	DMSA	Unpaired	PEG-(NH ₂) ₂	Unpaired
g/L			t-test		t-test
0.01	29.33±2.23	28.38 ±1.68	0.3770	29.97 ± 1.70	0.5456
0.1	30.00±3.29	29.95 ± 3.10	0.9757	28.10 ± 3.20	0.2608
Fibrinogen D					
Mean ± SD (mg/dL)					
Conc.	Control	DMSA	Unpaired	PEG-(NH ₂) ₂	Unpaired
g/L			t-test		t-test
0.01	368.83±61.88	389.17± 53.50	0.5033	350.00 ± 73.87	0.5753
0.1	396.83±31.33	382.17 ± 33.49	0.3732	384.83 ± 32.29	0.4591

Table 3: Statistical analysis data for the effect of NP-DMSA and NP-PEG-(NH₂)₂ on CBC; the number of samples was 6 for each concentration of bioferrofluids and 12 for control.

CBC					
Mean ± SD					
Conc.	Control	NP-DMSA	Unpaired	NP-PEG-(NH ₂) ₂	Unpaired
g/L			t-test		t-test
Erythrocytes (10 ⁶ /μL)					
0.05	4.57±0.38	4.87 ± 0.39	0.1309	4.66 ± 0.44	0.6287
0.1	4.57±0.38	4.88 ± 0.36	0.1082	4.64 ± 0.44	0.7259
Leukocytes (10 ³ /μL)					
0.05	7.09±1.27	6.77 ± 1.04	0.6024	7.46 ± 1.44	0.5906
0.1	7.09±1.27	7.39 ± 0.94	0.6208	7.21 ± 1.85	0.8798
Platelets (10 ³ /μL)					
0.05	212.92±40.06	213.50 ± 47.91	0.9785	194.78 ± 39.96	0.3782
0.1	212.92±40.06	243.47 ± 42.59	0.1544	195.07 ± 37.18	0.3758
Hemoglobin (g/dL)					
0.05	13.83±1.22	14.98 ± 1.03	0.0523	14.30 ± 1.44	0.4619
0.1	13.83±1.22	14.70 ± 0.82	0.1127	14.14 ± 1.39	0.6260
Hematocrit (%)					
0.05	41.52±3.09	44.29 ± 3.05	0.0900	42.42 ± 3.77	0.5935
0.1	41.52±3.09	44.15 ± 2.52	0.0907	42.11 ± 3.86	0.7270

Table 4. Statistical analysis data for the effect of DMSA and PEG-(NH₂)₂ on CBC; the number of samples was 4 for each concentration of DMSA and PEG-(NH₂)₂ and 8 for control.

CBC					
Mean $\pm$ SD					
Conc.	Control	DMSA	Unpaired	PEG-(NH ₂) ₂	Unpaired
g/L			t-test		t-test
Erythrocytes (10 ⁶ /μL)					
0.01	4.59 $\pm$ 0.40	4.38 $\pm$ 0.19	0.3416	4.99 $\pm$ 0.25	0.1077
0.1	4.59 $\pm$ 0.40	4.26 $\pm$ 0.15	0.1461	5.05 $\pm$ 1.76	0.0587
Leukocytes (10 ³ /μL)					
0.01	6.86 $\pm$ 0.68	7.02 $\pm$ 0.74	0.7224	6.44 $\pm$ 0.83	0.3672
0.1	6.86 $\pm$ 0.68	7.10 $\pm$ 0.43	0.5529	6.22 $\pm$ 0.56	0.1343
Platelets (10 ³ /μL)					
0.01	242.88 $\pm$ 60.82	248.71 $\pm$ 76.03	0.8876	206.04 $\pm$ 33.01	0.2914
0.1	242.88 $\pm$ 60.82	246.13 $\pm$ 69.07	0.9349	194.15 $\pm$ 24.96	0.1620
Hemoglobin (g/dL)					
0.01	14.43 $\pm$ 1.48	13.96 $\pm$ 0.73	0.5764	15.81 $\pm$ 1.40	0.1534
0.1	14.43 $\pm$ 1.48	13.56 $\pm$ 0.37	0.2869	15.98 $\pm$ 1.07	0.0946
Hematocrit (%)					
0.01	43.04 $\pm$ 3.89	41.18 $\pm$ 1.70	0.3916	46.66 $\pm$ 3.43	0.1462
0.1	43.04 $\pm$ 3.89	40.26 $\pm$ 1.04	0.1995	47.22 $\pm$ 2.71	0.0853

Eosinophils. x /mL	1000	1875	2000	1550	1100	2775	1575	1425	1450
Red Cell Distribution									
Width	24.75	24.95	24.8	24.7	26.8	25.725	25.175	24.825	25.275
Erythrocyte Volume									
Distribution Width									
(RDW). %	10.675	9.35	9.2	9.9	10.7	10.3	9.75	9.825	9.8
Platelet Distribution									
Width	8.225	8.85	8.2	8	8.05	7.85	8.1	7.9	8.6
Mean Platelet Volume. fL	7	7.375	6.925	6.75	7.1	6.7	7.1	6.95	7.175
Platelet Larger Cell Ratio	4.95	7.55*	5.525	4.45	6.2	4.75	5.825	5.25	7.25
