

Supporting file. 2 Antioxidant capacity of each solute in 3 μ M Hb solution

Uric acid	AUC	%
DW + 3 μ M Hb	448,816,200	92.93220015
DW + 3 μ M Hb	474,002,000	98.14718973
DW + 3 μ M Hb	478,947,800	99.17127058
DW + 3 μ M Hb	493,651,900	102.2159119
DW + 3 μ M Hb	505,687,100	104.707929
DW + 3 μ M Hb	496,595,900	102.8254987
0.0045 mM	462,012,500	102.9402459
0.0045 mM	488,330,400	103.0228564
0.0045 mM	461,158,500	96.2857539
0.0045 mM	466,981,900	94.59740761
0.0045 mM	469,537,100	92.85131062
0.0045 mM	491,991,300	99.07276721
0.045 mM	460,218,700	102.5405723
0.045 mM	492,683,600	103.9412492
0.045 mM	483,047,000	100.8558762
0.045 mM	493,355,500	99.93995769
0.045 mM	481,407,800	95.19875037
0.045 mM	501,584,900	101.0046398
0.1125 mM	480,757,500	107.1167886
0.1125 mM	539,741,300	113.8689921
0.1125 mM	517,629,400	108.0763707
0.1125 mM	503,411,400	101.9770004
0.1125 mM	514,079,900	101.6596824
0.1125 mM	551,299,400	111.0156971
0.225 mM	514,226,400	114.5739392
0.225 mM	489,089,000	103.182898
0.225 mM	511,592,200	106.8158576
0.225 mM	538,984,000	109.1830093
0.225 mM	495,725,300	98.03004664
0.225 mM	536,511,300	108.037803
0.45 mM	484,292,100	107.904327
0.45 mM	496,734,300	104.7958236

0.45 mM	495,888,000	103.5369616
0.45 mM	512,399,200	103.7976761
0.45 mM	491,870,500	97.26775708
0.45 mM	500,918,900	100.8705267

Ascorbic acid	AUC	%
DW + 3 μ M Hb	532,258,500	97.43843376
DW + 3 μ M Hb	543,973,300	99.58301532
DW + 3 μ M Hb	555,561,600	101.704439
DW + 3 μ M Hb	527,188,300	96.51025253
DW + 3 μ M Hb	534,487,100	97.84641464
DW + 3 μ M Hb	584,037,700	106.9174447
0.01 mM	534,744,800	100.4671226
0.01 mM	552,963,300	101.6526546
0.01 mM	581,092,100	104.59544
0.01 mM	568,186,700	107.7768038
0.01 mM	565,919,900	105.8809277
0.01 mM	569,119,900	97.44574708
0.1 mM	549,255,800	103.1934295
0.1 mM	541,779,200	99.596653
0.1 mM	515,912,800	92.86329365
0.1 mM	557,212,700	105.6951947
0.1 mM	576,799,900	107.9165241
0.1 mM	572,945,500	98.10077329
1 mM	459,511,300	86.33235543
1 mM	492,320,700	90.50457072
1 mM	479,224,900	86.2595435
1 mM	493,476,900	93.60543472
1 mM	475,152,400	88.8987592
1 mM	493,423,500	84.48487144
10 mM	6,267,378	1.177506418
10 mM	5,894,155	1.083537556
10 mM	5,229,755	0.941345658
10 mM	6,680,336	1.267163175

10 mM	3,922,754	0.733928658
10 mM	3,739,856	0.640344964
100 mM	1,263	0.000237291
100 mM	1,346	0.000247439
100 mM	1,064	0.000191518
100 mM	1,102	0.000209033
100 mM	992	0.000185598
100 mM	1,061	0.000181666

Glutathione	AUC	%
DW + 3 μ M Hb	455,985,400	94.54974787
DW + 3 μ M Hb	469,254,500	97.30112996
DW + 3 μ M Hb	481,143,300	99.76630328
DW + 3 μ M Hb	476,523,200	98.80831364
DW + 3 μ M Hb	506,632,000	105.0514509
DW + 3 μ M Hb	504,083,700	104.5230543
1 mM	211,760,300	46.44014918
1 mM	212,475,500	45.27937399
1 mM	186,928,500	38.85089951
1 mM	187,791,200	39.40861641
1 mM	181,801,200	35.88427103
1 mM	185,615,700	36.82239676
5 mM	41,600,540	9.123217542
5 mM	40,533,930	8.637941671
5 mM	24,007,710	4.989721357
5 mM	23,218,360	4.872451121
5 mM	13,948,040	2.753091001
5 mM	14,473,190	2.87118786
10 mM	5,930,590	1.300609625
10 mM	6,743,160	1.436994211
10 mM	1,709,723	0.355345902
10 mM	1,733,433	0.363766759
10 mM	387,719	0.076528723

10 mM	551,847	0.109475272
50 mM	10,202	0.002237352
50 mM	9,979	0.002126565
50 mM	4,459	0.000926751
50 mM	4,697	0.000985681
50 mM	5,016	0.000990068
50 mM	4,883	0.000968688
100 mM	2,540	0.000557035
100 mM	2,454	0.000522957
100 mM	2,163	0.000449554
100 mM	2,085	0.000437544
100 mM	2,186	0.000431477
100 mM	2,254	0.000447148

Glycerin	AUC	%
DW + 3 μ M Hb	486,888,700	94.64040509
DW + 3 μ M Hb	527,389,600	102.5128851
DW + 3 μ M Hb	507,413,100	98.62989495
DW + 3 μ M Hb	516,354,800	100.3679639
DW + 3 μ M Hb	514,788,100	100.063432
DW + 3 μ M Hb	533,936,300	103.785419
0.013696 M	504,358,200	103.5879863
0.013696 M	478,290,400	90.69014634
0.013696 M	490,675,100	96.70130708
0.013696 M	528,771,700	102.4047225
0.013696 M	517,667,000	100.5592398
0.013696 M	512,822,300	96.0455957
0.136967 M	468,171,200	96.15569226
0.136967 M	491,843,900	93.26006808
0.136967 M	475,651,500	93.74048482
0.136967 M	495,175,700	95.89834354
0.136967 M	479,684,900	93.18103896
0.136967 M	511,089,100	95.72098769
1.369565 M	430,471,400	88.41269062

1.369565 M	486,859,800	92.31501721
1.369565 M	458,170,400	90.29534318
1.369565 M	468,707,900	90.77244949
1.369565 M	434,248,000	84.35470828
1.369565 M	485,123,600	90.8579544
4.108696 M	414,514,500	85.13537077
4.108696 M	427,061,700	80.97651148
4.108696 M	435,739,000	85.87460592
4.108696 M	388,713,100	75.28023367
4.108696 M	414,736,300	80.56446915
4.108696 M	392,768,200	73.56087234
6.847826 M	373,614,400	76.73507313
6.847826 M	378,269,600	71.72488801
6.847826 M	367,345,600	72.3957659
6.847826 M	375,414,700	72.70479523
6.847826 M	373,253,800	72.50629919
6.847826 M	380,430,900	71.2502409