



Abvigen Inc

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Gold Nanoparticles NPS- 5%

Diameter (um)	Particle Volume (nm3)	Volume (ml)	Wt.Conc. (mg/ml)	Particle Mass(g)	NPS/mg	NPS/ml	Conc. (nmol/ml)
0.01	5.24E+02	10	50	1.01E-17	9.89E+13	4.94E+15	8.21E+00
0.02	4.19E+03	10	50	8.09E-17	1.24E+13	6.18E+14	1.03E+00
0.03	1.41E+04	10	50	2.73E-16	3.66E+12	1.83E+14	3.04E-01
0.04	3.35E+04	10	50	6.47E-16	1.54E+12	7.72E+13	1.28E-01
0.05	6.54E+04	10	50	1.26E-15	7.91E+11	3.95E+13	6.57E-02
0.07	1.80E+05	10	50	3.47E-15	2.88E+11	1.44E+13	2.39E-02
0.08	2.68E+05	10	50	5.18E-15	1.93E+11	9.65E+12	1.60E-02
0.1	5.24E+05	10	50	1.01E-14	9.89E+10	4.94E+12	8.21E-03
0.2	4.19E+06	10	50	8.09E-14	1.24E+10	6.18E+11	1.03E-03
0.3	1.41E+07	10	50	2.73E-13	3.66E+09	1.83E+11	3.04E-04
0.4	3.35E+07	10	50	6.47E-13	1.54E+09	7.72E+10	1.28E-04
0.5	6.54E+07	10	50	1.26E-12	7.91E+08	3.95E+10	6.57E-05
0.6	1.13E+08	10	50	2.19E-12	4.58E+08	2.29E+10	3.80E-05
0.7	1.80E+08	10	50	3.47E-12	2.88E+08	1.44E+10	2.39E-05
0.8	2.68E+08	10	50	5.18E-12	1.93E+08	9.65E+09	1.60E-05
0.9	3.82E+08	10	50	7.37E-12	1.36E+08	6.78E+09	1.13E-05
1	5.24E+08	10	50	1.01E-11	9.89E+07	4.94E+09	8.21E-06

2	4.19E+09	10	50	8.09E-11	1.24E+07	6.18E+08	1.03E-06
3	1.41E+10	10	50	2.73E-10	3.66E+06	1.83E+08	3.04E-07
4	3.35E+10	10	50	6.47E-10	1.54E+06	7.72E+07	1.28E-07
5	6.54E+10	10	50	1.26E-09	7.91E+05	3.95E+07	6.57E-08
6	1.13E+11	10	50	2.19E-09	4.58E+05	2.29E+07	3.80E-08
7	1.80E+11	10	50	3.47E-09	2.88E+05	1.44E+07	2.39E-08
8	2.68E+11	10	50	5.18E-09	1.93E+05	9.65E+06	1.60E-08
9	3.82E+11	10	50	7.37E-09	1.36E+05	6.78E+06	1.13E-08
10	5.24E+11	10	50	1.01E-08	9.89E+04	4.94E+06	8.21E-09
11	6.97E+11	10	50	1.35E-08	7.43E+04	3.71E+06	6.17E-09
12	9.05E+11	10	50	1.75E-08	5.72E+04	2.86E+06	4.75E-09
13	1.15E+12	10	50	2.22E-08	4.50E+04	2.25E+06	3.74E-09
14	1.44E+12	10	50	2.78E-08	3.60E+04	1.80E+06	2.99E-09
15	1.77E+12	10	50	3.41E-08	2.93E+04	1.46E+06	2.43E-09
17	2.57E+12	10	50	4.97E-08	2.01E+04	1.01E+06	1.67E-09
18	3.05E+12	10	50	5.90E-08	1.70E+04	8.48E+05	1.41E-09
20	4.19E+12	10	50	8.09E-08	1.24E+04	6.18E+05	1.03E-09
22	5.58E+12	10	50	1.08E-07	9.28E+03	4.64E+05	7.71E-10
23	6.37E+12	10	50	1.23E-07	8.12E+03	4.06E+05	6.75E-10
24	7.24E+12	10	50	1.40E-07	7.15E+03	3.58E+05	5.94E-10
25	8.18E+12	10	50	1.58E-07	6.33E+03	3.16E+05	5.25E-10
30	1.41E+13	10	50	2.73E-07	3.66E+03	1.83E+05	3.04E-10
40	3.35E+13	10	50	6.47E-07	1.54E+03	7.72E+04	1.28E-10
50	6.54E+13	10	50	1.26E-06	7.91E+02	3.95E+04	6.57E-11
60	1.13E+14	10	50	2.19E-06	4.58E+02	2.29E+04	3.80E-11

70	1.80E+14	10	50	3.47E-06	2.88E+02	1.44E+04	2.39E-11
80	2.68E+14	10	50	5.18E-06	1.93E+02	9.65E+03	1.60E-11
90	3.82E+14	10	50	7.37E-06	1.36E+02	6.78E+03	1.13E-11
100	5.24E+14	10	50	1.01E-05	9.89E+01	4.94E+03	8.21E-12
200	4.19E+15	10	50	8.09E-05	1.24E+01	6.18E+02	1.03E-12
300	1.41E+16	10	50	2.73E-04	3.66E+00	1.83E+02	3.04E-13
400	3.35E+16	10	50	6.47E-04	1.54E+00	7.72E+01	1.28E-13
500	6.54E+16	10	50	1.26E-03	7.91E-01	3.95E+01	6.57E-14
600	1.13E+17	10	50	2.19E-03	4.58E-01	2.29E+01	3.80E-14
700	1.80E+17	10	50	3.47E-03	2.88E-01	1.44E+01	2.39E-14
800	2.68E+17	10	50	5.18E-03	1.93E-01	9.65E+00	1.60E-14
900	3.82E+17	10	50	7.37E-03	1.36E-01	6.78E+00	1.13E-14
1000	5.24E+17	10	50	1.01E-02	9.89E-02	4.94E+00	8.21E-15
2000	4.19E+18	10	50	8.09E-02	1.24E-02	6.18E-01	1.03E-15