



Abvigen Inc

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Gold Nanoparticles NPS- 1%

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	10	1.01E-17	9.89E+13	9.89E+14	1.64E+00
0.02	4.19E+03	10	10	8.09E-17	1.24E+13	1.24E+14	2.05E-01
0.03	1.41E+04	10	10	2.73E-16	3.66E+12	3.66E+13	6.08E-02
0.04	3.35E+04	10	10	6.47E-16	1.54E+12	1.54E+13	2.56E-02
0.05	6.54E+04	10	10	1.26E-15	7.91E+11	7.91E+12	1.31E-02
0.07	1.80E+05	10	10	3.47E-15	2.88E+11	2.88E+12	4.79E-03
0.08	2.68E+05	10	10	5.18E-15	1.93E+11	1.93E+12	3.21E-03
0.1	5.24E+05	10	10	1.01E-14	9.89E+10	9.89E+11	1.64E-03
0.2	4.19E+06	10	10	8.09E-14	1.24E+10	1.24E+11	2.05E-04
0.3	1.41E+07	10	10	2.73E-13	3.66E+09	3.66E+10	6.08E-05
0.4	3.35E+07	10	10	6.47E-13	1.54E+09	1.54E+10	2.56E-05
0.5	6.54E+07	10	10	1.26E-12	7.91E+08	7.91E+09	1.31E-05
0.6	1.13E+08	10	10	2.19E-12	4.58E+08	4.58E+09	7.60E-06
0.7	1.80E+08	10	10	3.47E-12	2.88E+08	2.88E+09	4.79E-06
0.8	2.68E+08	10	10	5.18E-12	1.93E+08	1.93E+09	3.21E-06
0.9	3.82E+08	10	10	7.37E-12	1.36E+08	1.36E+09	2.25E-06
1	5.24E+08	10	10	1.01E-11	9.89E+07	9.89E+08	1.64E-06

2	4.19E+09	10	10	8.09E-11	1.24E+07	1.24E+08	2.05E-07
3	1.41E+10	10	10	2.73E-10	3.66E+06	3.66E+07	6.08E-08
4	3.35E+10	10	10	6.47E-10	1.54E+06	1.54E+07	2.56E-08
5	6.54E+10	10	10	1.26E-09	7.91E+05	7.91E+06	1.31E-08
6	1.13E+11	10	10	2.19E-09	4.58E+05	4.58E+06	7.60E-09
7	1.80E+11	10	10	3.47E-09	2.88E+05	2.88E+06	4.79E-09
8	2.68E+11	10	10	5.18E-09	1.93E+05	1.93E+06	3.21E-09
9	3.82E+11	10	10	7.37E-09	1.36E+05	1.36E+06	2.25E-09
10	5.24E+11	10	10	1.01E-08	9.89E+04	9.89E+05	1.64E-09
11	6.97E+11	10	10	1.35E-08	7.43E+04	7.43E+05	1.23E-09
12	9.05E+11	10	10	1.75E-08	5.72E+04	5.72E+05	9.50E-10
13	1.15E+12	10	10	2.22E-08	4.50E+04	4.50E+05	7.47E-10
14	1.44E+12	10	10	2.78E-08	3.60E+04	3.60E+05	5.98E-10
15	1.77E+12	10	10	3.41E-08	2.93E+04	2.93E+05	4.86E-10
17	2.57E+12	10	10	4.97E-08	2.01E+04	2.01E+05	3.34E-10
18	3.05E+12	10	10	5.90E-08	1.70E+04	1.70E+05	2.81E-10
20	4.19E+12	10	10	8.09E-08	1.24E+04	1.24E+05	2.05E-10
22	5.58E+12	10	10	1.08E-07	9.28E+03	9.28E+04	1.54E-10
23	6.37E+12	10	10	1.23E-07	8.12E+03	8.12E+04	1.35E-10
24	7.24E+12	10	10	1.40E-07	7.15E+03	7.15E+04	1.19E-10
25	8.18E+12	10	10	1.58E-07	6.33E+03	6.33E+04	1.05E-10
30	1.41E+13	10	10	2.73E-07	3.66E+03	3.66E+04	6.08E-11
40	3.35E+13	10	10	6.47E-07	1.54E+03	1.54E+04	2.56E-11
50	6.54E+13	10	10	1.26E-06	7.91E+02	7.91E+03	1.31E-11
60	1.13E+14	10	10	2.19E-06	4.58E+02	4.58E+03	7.60E-12

70	1.80E+14	10	10	3.47E-06	2.88E+02	2.88E+03	4.79E-12
80	2.68E+14	10	10	5.18E-06	1.93E+02	1.93E+03	3.21E-12
90	3.82E+14	10	10	7.37E-06	1.36E+02	1.36E+03	2.25E-12
100	5.24E+14	10	10	1.01E-05	9.89E+01	9.89E+02	1.64E-12
200	4.19E+15	10	10	8.09E-05	1.24E+01	1.24E+02	2.05E-13
300	1.41E+16	10	10	2.73E-04	3.66E+00	3.66E+01	6.08E-14
400	3.35E+16	10	10	6.47E-04	1.54E+00	1.54E+01	2.56E-14
500	6.54E+16	10	10	1.26E-03	7.91E-01	7.91E+00	1.31E-14
600	1.13E+17	10	10	2.19E-03	4.58E-01	4.58E+00	7.60E-15
700	1.80E+17	10	10	3.47E-03	2.88E-01	2.88E+00	4.79E-15
800	2.68E+17	10	10	5.18E-03	1.93E-01	1.93E+00	3.21E-15
900	3.82E+17	10	10	7.37E-03	1.36E-01	1.36E+00	2.25E-15
1000	5.24E+17	10	10	1.01E-02	9.89E-02	9.89E-01	1.64E-15
2000	4.19E+18	10	10	8.09E-02	1.24E-02	1.24E-01	2.05E-16