



Abvigen Inc

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Silver Nanoparticles NPS- 2.5%

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	25	5.49E-18	1.82E+14	4.55E+15	7.56E+00
0.02	4.19E+03	10	25	4.39E-17	2.28E+13	5.69E+14	9.45E-01
0.03	1.41E+04	10	25	1.48E-16	6.74E+12	1.69E+14	2.80E-01
0.04	3.35E+04	10	25	3.52E-16	2.84E+12	7.11E+13	1.18E-01
0.05	6.54E+04	10	25	6.87E-16	1.46E+12	3.64E+13	6.05E-02
0.07	1.80E+05	10	25	1.88E-15	5.31E+11	1.33E+13	2.20E-02
0.08	2.68E+05	10	25	2.81E-15	3.56E+11	8.89E+12	1.48E-02
0.1	5.24E+05	10	25	5.49E-15	1.82E+11	4.55E+12	7.56E-03
0.2	4.19E+06	10	25	4.39E-14	2.28E+10	5.69E+11	9.45E-04
0.3	1.41E+07	10	25	1.48E-13	6.74E+09	1.69E+11	2.80E-04
0.4	3.35E+07	10	25	3.52E-13	2.84E+09	7.11E+10	1.18E-04
0.5	6.54E+07	10	25	6.87E-13	1.46E+09	3.64E+10	6.05E-05
0.6	1.13E+08	10	25	1.19E-12	8.43E+08	2.11E+10	3.50E-05
0.7	1.80E+08	10	25	1.88E-12	5.31E+08	1.33E+10	2.20E-05
0.8	2.68E+08	10	25	2.81E-12	3.56E+08	8.89E+09	1.48E-05
0.9	3.82E+08	10	25	4.00E-12	2.50E+08	6.24E+09	1.04E-05
1	5.24E+08	10	25	5.49E-12	1.82E+08	4.55E+09	7.56E-06

2	4.19E+09	10	25	4.39E-11	2.28E+07	5.69E+08	9.45E-07
3	1.41E+10	10	25	1.48E-10	6.74E+06	1.69E+08	2.80E-07
4	3.35E+10	10	25	3.52E-10	2.84E+06	7.11E+07	1.18E-07
5	6.54E+10	10	25	6.87E-10	1.46E+06	3.64E+07	6.05E-08
6	1.13E+11	10	25	1.19E-09	8.43E+05	2.11E+07	3.50E-08
7	1.80E+11	10	25	1.88E-09	5.31E+05	1.33E+07	2.20E-08
8	2.68E+11	10	25	2.81E-09	3.56E+05	8.89E+06	1.48E-08
9	3.82E+11	10	25	4.00E-09	2.50E+05	6.24E+06	1.04E-08
10	5.24E+11	10	25	5.49E-09	1.82E+05	4.55E+06	7.56E-09
11	6.97E+11	10	25	7.31E-09	1.37E+05	3.42E+06	5.68E-09
12	9.05E+11	10	25	9.49E-09	1.05E+05	2.63E+06	4.37E-09
13	1.15E+12	10	25	1.21E-08	8.29E+04	2.07E+06	3.44E-09
14	1.44E+12	10	25	1.51E-08	6.64E+04	1.66E+06	2.75E-09
15	1.77E+12	10	25	1.85E-08	5.39E+04	1.35E+06	2.24E-09
17	2.57E+12	10	25	2.70E-08	3.71E+04	9.26E+05	1.54E-09
18	3.05E+12	10	25	3.20E-08	3.12E+04	7.80E+05	1.30E-09
20	4.19E+12	10	25	4.39E-08	2.28E+04	5.69E+05	9.45E-10
22	5.58E+12	10	25	5.85E-08	1.71E+04	4.27E+05	7.10E-10
23	6.37E+12	10	25	6.68E-08	1.50E+04	3.74E+05	6.21E-10
24	7.24E+12	10	25	7.59E-08	1.32E+04	3.29E+05	5.47E-10
25	8.18E+12	10	25	8.58E-08	1.17E+04	2.91E+05	4.84E-10
30	1.41E+13	10	25	1.48E-07	6.74E+03	1.69E+05	2.80E-10
40	3.35E+13	10	25	3.52E-07	2.84E+03	7.11E+04	1.18E-10
50	6.54E+13	10	25	6.87E-07	1.46E+03	3.64E+04	6.05E-11
60	1.13E+14	10	25	1.19E-06	8.43E+02	2.11E+04	3.50E-11

70	1.80E+14	10	25	1.88E-06	5.31E+02	1.33E+04	2.20E-11
80	2.68E+14	10	25	2.81E-06	3.56E+02	8.89E+03	1.48E-11
90	3.82E+14	10	25	4.00E-06	2.50E+02	6.24E+03	1.04E-11
100	5.24E+14	10	25	5.49E-06	1.82E+02	4.55E+03	7.56E-12
200	4.19E+15	10	25	4.39E-05	2.28E+01	5.69E+02	9.45E-13
300	1.41E+16	10	25	1.48E-04	6.74E+00	1.69E+02	2.80E-13
400	3.35E+16	10	25	3.52E-04	2.84E+00	7.11E+01	1.18E-13
500	6.54E+16	10	25	6.87E-04	1.46E+00	3.64E+01	6.05E-14
600	1.13E+17	10	25	1.19E-03	8.43E-01	2.11E+01	3.50E-14
700	1.80E+17	10	25	1.88E-03	5.31E-01	1.33E+01	2.20E-14
800	2.68E+17	10	25	2.81E-03	3.56E-01	8.89E+00	1.48E-14
900	3.82E+17	10	25	4.00E-03	2.50E-01	6.24E+00	1.04E-14
1000	5.24E+17	10	25	5.49E-03	1.82E-01	4.55E+00	7.56E-15
2000	4.19E+18	10	25	4.39E-02	2.28E-02	5.69E-01	9.45E-16