



Abvigen Inc

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Silver 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	5.49E-18	1.82E+14	9.10E+15	1.51E+01
0.02	4.19E+03	10	50	4.39E-17	2.28E+13	1.14E+15	1.89E+00
0.03	1.41E+04	10	50	1.48E-16	6.74E+12	3.37E+14	5.60E-01
0.04	3.35E+04	10	50	3.52E-16	2.84E+12	1.42E+14	2.36E-01
0.05	6.54E+04	10	50	6.87E-16	1.46E+12	7.28E+13	1.21E-01
0.07	1.80E+05	10	50	1.88E-15	5.31E+11	2.65E+13	4.41E-02
0.08	2.68E+05	10	50	2.81E-15	3.56E+11	1.78E+13	2.95E-02
0.1	5.24E+05	10	50	5.49E-15	1.82E+11	9.10E+12	1.51E-02
0.2	4.19E+06	10	50	4.39E-14	2.28E+10	1.14E+12	1.89E-03
0.3	1.41E+07	10	50	1.48E-13	6.74E+09	3.37E+11	5.60E-04
0.4	3.35E+07	10	50	3.52E-13	2.84E+09	1.42E+11	2.36E-04
0.5	6.54E+07	10	50	6.87E-13	1.46E+09	7.28E+10	1.21E-04
0.6	1.13E+08	10	50	1.19E-12	8.43E+08	4.21E+10	7.00E-05
0.7	1.80E+08	10	50	1.88E-12	5.31E+08	2.65E+10	4.41E-05
0.8	2.68E+08	10	50	2.81E-12	3.56E+08	1.78E+10	2.95E-05
0.9	3.82E+08	10	50	4.00E-12	2.50E+08	1.25E+10	2.07E-05
1	5.24E+08	10	50	5.49E-12	1.82E+08	9.10E+09	1.51E-05

2	4.19E+09	10	50	4.39E-11	2.28E+07	1.14E+09	1.89E-06
3	1.41E+10	10	50	1.48E-10	6.74E+06	3.37E+08	5.60E-07
4	3.35E+10	10	50	3.52E-10	2.84E+06	1.42E+08	2.36E-07
5	6.54E+10	10	50	6.87E-10	1.46E+06	7.28E+07	1.21E-07
6	1.13E+11	10	50	1.19E-09	8.43E+05	4.21E+07	7.00E-08
7	1.80E+11	10	50	1.88E-09	5.31E+05	2.65E+07	4.41E-08
8	2.68E+11	10	50	2.81E-09	3.56E+05	1.78E+07	2.95E-08
9	3.82E+11	10	50	4.00E-09	2.50E+05	1.25E+07	2.07E-08
10	5.24E+11	10	50	5.49E-09	1.82E+05	9.10E+06	1.51E-08
11	6.97E+11	10	50	7.31E-09	1.37E+05	6.84E+06	1.14E-08
12	9.05E+11	10	50	9.49E-09	1.05E+05	5.27E+06	8.75E-09
13	1.15E+12	10	50	1.21E-08	8.29E+04	4.14E+06	6.88E-09
14	1.44E+12	10	50	1.51E-08	6.64E+04	3.32E+06	5.51E-09
15	1.77E+12	10	50	1.85E-08	5.39E+04	2.70E+06	4.48E-09
17	2.57E+12	10	50	2.70E-08	3.71E+04	1.85E+06	3.08E-09
18	3.05E+12	10	50	3.20E-08	3.12E+04	1.56E+06	2.59E-09
20	4.19E+12	10	50	4.39E-08	2.28E+04	1.14E+06	1.89E-09
22	5.58E+12	10	50	5.85E-08	1.71E+04	8.55E+05	1.42E-09
23	6.37E+12	10	50	6.68E-08	1.50E+04	7.48E+05	1.24E-09
24	7.24E+12	10	50	7.59E-08	1.32E+04	6.59E+05	1.09E-09
25	8.18E+12	10	50	8.58E-08	1.17E+04	5.83E+05	9.67E-10
30	1.41E+13	10	50	1.48E-07	6.74E+03	3.37E+05	5.60E-10
40	3.35E+13	10	50	3.52E-07	2.84E+03	1.42E+05	2.36E-10
50	6.54E+13	10	50	6.87E-07	1.46E+03	7.28E+04	1.21E-10
60	1.13E+14	10	50	1.19E-06	8.43E+02	4.21E+04	7.00E-11

70	1.80E+14	10	50	1.88E-06	5.31E+02	2.65E+04	4.41E-11
80	2.68E+14	10	50	2.81E-06	3.56E+02	1.78E+04	2.95E-11
90	3.82E+14	10	50	4.00E-06	2.50E+02	1.25E+04	2.07E-11
100	5.24E+14	10	50	5.49E-06	1.82E+02	9.10E+03	1.51E-11
200	4.19E+15	10	50	4.39E-05	2.28E+01	1.14E+03	1.89E-12
300	1.41E+16	10	50	1.48E-04	6.74E+00	3.37E+02	5.60E-13
400	3.35E+16	10	50	3.52E-04	2.84E+00	1.42E+02	2.36E-13
500	6.54E+16	10	50	6.87E-04	1.46E+00	7.28E+01	1.21E-13
600	1.13E+17	10	50	1.19E-03	8.43E-01	4.21E+01	7.00E-14
700	1.80E+17	10	50	1.88E-03	5.31E-01	2.65E+01	4.41E-14
800	2.68E+17	10	50	2.81E-03	3.56E-01	1.78E+01	2.95E-14
900	3.82E+17	10	50	4.00E-03	2.50E-01	1.25E+01	2.07E-14
1000	5.24E+17	10	50	5.49E-03	1.82E-01	9.10E+00	1.51E-14
2000	4.19E+18	10	50	4.39E-02	2.28E-02	1.14E+00	1.89E-15