

Highly Concentrated Gold Colloid

NO surfactants, NO stabilizers, NO enhancers

Features and Benefits

BBI's concentrated gold nanoparticles can be used to simplify the conjugation procedure by eliminating the gold-concentration centrifugation step.

All BBI gold nanoparticles must pass a rigorous quality control procedure before being released from our laboratories. We ensure that CV <8% is guaranteed.

BBI's gold nanoparticles offer exceptionally high levels of reproducibility in terms of size, dispersion and shape, meaning your rapid test will provide reliable results. To ensure the precision and accuracy of our products, BBI monitors batch to batch consistency as part of its quality management system.

High OD gold colloid is simply BBI's high quality standard gold nanoparticles, concentrated.

Reduce Labour Costs

The concentration process can be labour intensive. By using high OD gold colloid from BBI, you can reduce laboratory and production costs, leading to increased profitability.

Reduce Risk

The potential for aggregates is greatly minimised as the concentration process can be damaging to the colloid due to the centrifugation steps. Let BBI take responsibility for this and receive a product of guaranteed quality, at your required concentration.

Personalised Concentration

We know our customers need specific OD colloidal gold to fit their applications. Whether this is OD 2.0, OD15, or OD99.9, BBI can customise our gold colloid to your exact OD requirement or if you prefer you can order from our stock list below.

Stock Products

OD 5 Gold Colloid

Product Code	Description	Volume	Particle Size	OD
GC20 OD5	colloidal gold nanoparticles	10ml, 50ml, 100ml or 500ml	20nm	5
GC40 OD5	colloidal gold nanoparticles	10ml, 50ml, 100ml or 500ml	40nm	5
GC60 OD5	colloidal gold nanoparticles	10ml, 50ml, 100ml or 500ml	60nm	5
GC80 OD5	colloidal gold nanoparticles	10ml, 50ml, 100ml or 500ml	80nm	5

OD 10 Gold Colloid

Product Code	Description	Volume	Particle Size	OD
GC20 OD10	colloidal gold nanoparticles	10ml, 50ml, 100ml or 500ml	20nm	10
GC40 OD10	colloidal gold nanoparticles	10ml, 50ml, 100ml or 500ml	40nm	10
GC60 OD10	colloidal gold nanoparticles	10ml, 50ml, 100ml or 500ml	60nm	10
GC80 OD10	colloidal gold nanoparticles	10ml, 50ml, 100ml or 500ml	80nm	10

OD 15 Gold Colloid

Product Code	Description	Volume	Particle Size	OD
GC20 OD15	colloidal gold nanoparticles	10ml, 50ml, 100ml or 500ml	20nm	15
GC40 OD15	colloidal gold nanoparticles	10ml, 50ml, 100ml or 500ml	40nm	15
GC60 OD15	colloidal gold nanoparticles	10ml, 50ml, 100ml or 500ml	60nm	15
GC80 OD15	colloidal gold nanoparticles	10ml, 50ml, 100ml or 500ml	80nm	15

OD 50 Gold Colloid

Product Code	Description	Volume	Particle Size	OD
GC20 OD50	colloidal gold nanoparticles	1ml, 10ml, 50ml or 100ml	20nm	50
GC40 OD50	colloidal gold nanoparticles	1ml, 10ml, 50ml or 100ml	40nm	50
GC60 OD50	colloidal gold nanoparticles	1ml, 10ml, 50ml or 100ml	60nm	50
GC80 OD50	colloidal gold nanoparticles	1ml, 10ml, 50ml or 100ml	80nm	50

OD 100 Gold Colloid

Product Code	Description	Volume	Particle Size	OD
GC20 OD100	colloidal gold nanoparticles	1ml, 10ml, 50ml or 100ml	20nm	100
GC40 OD100	colloidal gold nanoparticles	1ml, 10ml, 50ml or 100ml	40nm	100
GC60 OD100	colloidal gold nanoparticles	1ml, 10ml, 50ml or 100ml	60nm	100
GC80 OD100	colloidal gold nanoparticles	1ml, 10ml, 50ml or 100ml	80nm	100

Particles Per ml Values and Concentration Information

Particle Diameter	OD @ 520nm	No. Particles per ml	No. Moles Particle per ml	Molar Particle Concentration (No. moles per L)	Mass of Gold per ml (g)	Moles of Gold per litre
20	1	7.00E+11	1.1624E-12	1.1624E-09	5.66E-05	2.87E-04
20	5	3.50E+12	5.81202E-12	5.81202E-09	2.83E-04	1.44E-03
20	10	7.00E+12	1.1624E-11	1.1624E-08	5.66E-04	2.87E-03
20	15	1.05E+13	1.74361E-11	1.74361E-07	8.49E-04	4.31E-03
20	50	3.50E+13	5.81202E-11	5.81202E-07	2.83E-03	1.44E-02
20	100	7.00E+13	1.1624E-10	5.81202E-05	5.66E-03	2.87E-02
40						
40	1	9.00E+10	1.49452E-13	1.49452E-10	5.82E-05	2.96E-04
40	5	4.50E+11	7.4726E-13	7.4726E-10	2.91E-04	1.48E-03
40	10	9.00E+11	1.49452E-12	1.49452E-09	5.82E-04	2.96E-03
40	15	1.35E+12	2.24178E-12	2.24178E-09	8.73E-04	4.43E-03
40	50	4.50E+12	7.4726E-12	7.4726E-09	2.91E-03	1.48E-02
40	100	9.00E+12	1.49452E-11	1.49452E-08	5.82E-03	2.96E-02
60						
60	1	2.60E+10	4.3175E-14	4.3175E-11	5.68E-05	2.88E-04
60	5	1.30E+11	2.15875E-13	2.15875E-10	2.84E-04	1.44E-03
60	10	2.60E+11	4.3175E-13	4.3175E-10	5.68E-04	2.88E-03
60	15	3.90E+11	6.47625E-13	6.47625E-10	8.51E-04	4.32E-03
60	50	1.30E+12	2.15875E-12	2.15875E-09	2.84E-03	1.44E-02
60	100	2.60E+12	4.3175E-12	4.3175E-09	5.68E-03	2.88E-02
80						
80	1	1.10E+10	1.82664E-14	1.82664E-11	5.69E-05	2.89E-04
80	5	5.50E+10	9.13318E-14	9.13318E-11	2.85E-04	1.44E-03
80	10	1.10E+11	1.82664E-13	1.82664E-10	5.69E-04	2.89E-03
80	15	1.65E+11	2.73995E-13	2.73995E-10	8.54E-04	4.33E-03
80	50	5.50E+11	9.13318E-13	9.13318E-10	2.85E-03	1.44E-02
80	100	1.10E+12	1.82664E-12	1.82664E-09	5.69E-03	2.89E-02

Pricing & Availability

For further information, to place an order or for bulk pricing please contact us at: T: +44 (0) 2920 747 232