

SpheroTECHNICAL NOTES

STN-4 Rev. A 020393

Binding Capacity of Gt anti-Ms IgG Magnetic Particles:

MATERIALS:

1. Gt. anti-Ms IgG magnetic particles, 1% w/v, Cat. # MM-40-10, Lot No. J01, 4.35 μm .
- 2 Ms-IgG FITC, Lot No. 10952, 5 $\mu\text{g/ml}$ in 1% diluent (IBS containing 1% normal goat serum and 1% fetal bovine serum)

PROCEDURES:

1. Adjust fluorimeter for Excitation and Emission at 490 and 520 nm respectively.
2. Set 100% Emission with the Ms IgG-FITC solution
3. Vortex the Goat anti-Ms IgG(H&L) magnetic particles and add 50, 100, 150, 200,300 and 400 μl into six 12x75 mm tubes. Pellet the particles and aspirate the supernatant.
4. Add 1 ml of Ms IgG-FITC solution to every tube containing the pelleted particles. Vortex and incubate for 30 minutes.
5. Separate the Goat anti-Ms IgG(H&L) magnetic particles from the conjugate and read the fluorescence of the supernatant.
6. The fluorescence reduction is proportional to Ms IgG-FITC bound to Goat anti-Ms IgG(H&L) magnetic particles.

RESULTS:

The binding capacity of Goat anti-Ms IgG magnetic particles is approximately 0.8 μg of Ms IgG-FITC per mg of particles as shown in Fig. 1.

Fig. 1

BINDING CAPACITY DETERMINATION

SPHERO Gt anti-Ms IgG Magnetic Particles
Cat. No. MM-40-10; Lot No. J01

