
Product Information – SiMAG-Thiol

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|----------------------------|---|-------------------------------|-------------------------------|
| Product: | SiMAG-Thiol | | |
| Article Number: | 1407-1 (1 ml) ; 1407-5 (5 ml) | | |
| Description: | Aqueous dispersion of magnetic silica particles | | |
| Application: | For sulfhydryl reactive chemistries | | |
| Lot Number: | | | |
| Production Date: | | | |
| Weight of Volume: | 50 mg/ml | | |
| Core: | Maghemite | | |
| Matrix: | Silica, non-porous | | |
| Size Approx.: | 0.5 μm | 0.75 μm | 1.0 μm |
| Number of Particles: | $\sim 1.5 \times 10^{13}/\text{g}$ | $4.2 \times 10^{12}/\text{g}$ | $1.8 \times 10^{12}/\text{g}$ |
| Surface Area: | $\sim 50 \text{ m}^2/\text{g}$ | | |
| Density: | $\sim 2.25 \text{ g}/\text{cm}^3$ | | |
| Type of Magnetization: | Superparamagnetic | | |
| Functional Group: | Thiol, -SH | | |
| Sulfhydryl Degree: | $\sim 20 \mu\text{mol}/\text{g}$ (Ellman method) | | |
| Autoclaved: | Yes | | |
| Storage Buffer / Solution: | ddH ₂ O | | |
| Storage: | At 4 – 8 °C. Do not freeze! | | |
| Expiry Date: | Two years after production date | | |
| Note: | For complete resuspension vortex thoroughly! | | |

