



MCP 1 uptake by MSC: Mesenchymal stem cells (MSC) uptake more efficiently MCP 1 than Resovist® nanoparticles. Uptake of both nanoparticles was increased by increasing nanoparticle loading concentration (0.2mM to 1mM Fe) under assistance of protamine sulfate, a cationic transfection agent (TA). The highest label efficiency was achieved after 24h incubation with MCP 1: TA Protamine (1mM: 48 μ g/mL) followed by incubation with MCP 1 : TA 0.2mM : 12 μ g/mL .