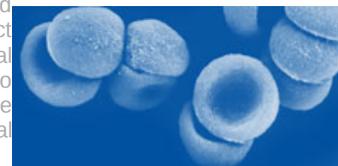


## Welcome to chemicell!

chemicell develops and produces innovative bioseparation- gene transfection and detection systems based on magnetic nano- and microparticles. Focus of our product development is to design high quality customer-oriented "ready-to use" kits with special orientation towards the compatibility for labor automatization. It is chemicell's policy to be open for cooperations with other companies or scientific institutes to maximize the chances and opportunities that evolve from the rapid development of biotechnological procedures and to distribute innovative new products.

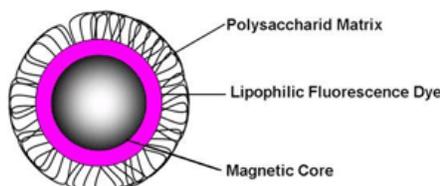


## TOP Highlight - New Products

### nano-screenMAG

To expand the **nano-screenMAG** products range, we now offer our **nano-screenMAG** particles with a bright pink fluorescent dye.

**nano-screenMAG** particles consist of a magnetite core which is first covered by a lipophilic fluorescence dye.



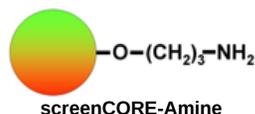
**nano-screenMAG** emits light in the range of blue (Exc.= 378 nm / Emmax.= 413 nm), green (Exc.= 476 nm / Emmax.= 490 nm), orange (Exc.= 524 nm / Emmax.= 539 nm), **pink (Exc.= 547nm / Emmax.=581nm)** and red (Exc.= 578 nm / Emmax.= 613 nm) light.

[more](#)

**NEW! screenCORE** non-magnetic microspheres with additional fluorescence properties are available!

**screenCORE** are 1 µm sized fluorescent, non-magnetic, monodisperse microspheres based on a silica matrix.

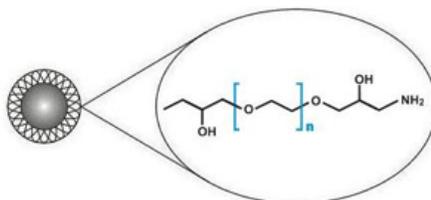
The advantage of silica microspheres compared to polystyrene microspheres are the inert and stable solid-phase silica matrix without autofluorescence and are autoclaved for sterile applications.



[more](#)

### New fluidMAG-PEG/Amine magnetic nanoparticles

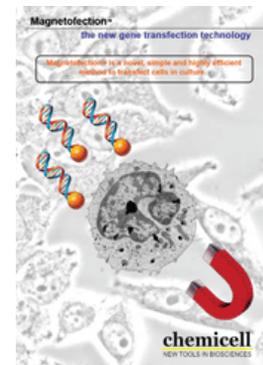
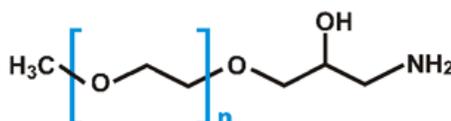
chemicell now offers fluidMAG-PEG/Amine magnetic nanoparticles. These magnetic PEG/Amine compounds are useful for covalent coupling to carboxyl groups of the target molecule (e.g. peptide, protein).



[more](#)

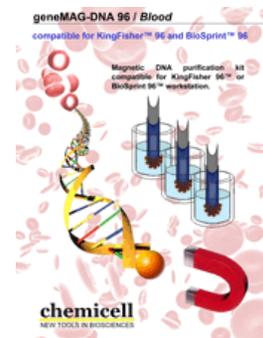
### New PEG-Amine derivatives

chemicell now offers PEG-amine derivatives with different PEG chain lengths. These PEG-amine compounds are useful for covalent coupling to carboxyl or amine groups of the target molecule (e.g. peptide, protein).



**Magnetofection™** - the new gene transfection technology

Download full documentation as pdf-file.  
Version 2.4 / 2011-02



**Magnetic DNA purification kit compatible for KingFisher™ 96 or BioSprint™ 96 workstation**



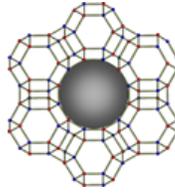
**MagnetoPURE-Macro**  
The separator is designed to separate magnetic nano- and microparticles in 50 ml and 15 ml centrifuge tubes.

Pegylation, the modification of a protein, peptide or other target molecule by the linking of one or more polyethylene glycol (PEG) chains, is a useful tool to improve the stability of a protein. This involves a prolonged residence in the body, a decreased degradation by metabolic enzymes and a reduction or elimination of protein immunogenicity.

[more](#)

**ZeoliteMAG** are magnetic zeolite particles, which consist of a superparamagnetic iron oxide core and a high-porous aluminosilicate matrix.

The microporous zeolite structure is anionic charged and therefore useful as a high capacity cationic-exchanger for separation of cationic charged substances.

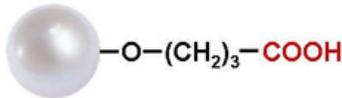


[more](#)

### beadBALL

**beadBALL** are 1 µm sized non-magnetic, monodisperse microspheres based on a highly mechanical and chemical stable polyvinyl chloride matrix.

beadBALL – microspheres are useful for covalent binding of bioaffine ligands, such as proteins or antibodies.



[more](#)

### More information

Ferrofluids  
RNA Purification  
DNA Purification  
Magnetic Particles