

MagSi-Product Update

MagnaMedics upgraded various MagSi catalogue products with a new high magnetic content bead type to increase the performance up to 6 times.

MagnaMedics Diagnostics B.V. has developed a high magnetic content bead type with a size of 1.2 μm and 1.0 μm . The use of a new developed novel ferro fluid (Mag-Ferro) with an magnetisation of up to 40 emu/g allows MagnaMedics to upgrade the catalogue products. Raising the magnetic content from formally 30 – 40% to 40% - 55% enhances the time to magnet significantly as outlined in Fig. 1:

The new magnetic content beads combine the advantages of small beads and large surface with the magnetic performance and strength of larger beads. Therefore MagnaMedics decided to discontinue all 2 μm MagSi bead types. The new high magnetic content 1.0 and 1.2 beads will replace all of them.

1.2 μm beads were already introduced by MagSi-proteomics and MagSi-DNA allround bead types. We will extend this now with MagSi-WCX (weak cation exchange) and MagSi-WAX (weak anion exchange) bead products for various applications.

The new brand 1.0 μm high magnetic content meets the same size distribution, mean size and surface functionality (e.g. binding capacity, sensitivity) as the standard 1.0 μm MagSi beads before. Also the sedimentation time is not effected.

However, you will get a 4-6 times faster separation in your application. No adjustments of the protocols (beside the possible faster separation times) are needed

Advantages of the MagSi Products after the upgrade:

- Faster and more complete collection of the MagSi-beads.
- Lower carry over in your protocol
- Faster protocols can be used even in highly viscous solvents and samples
- Higher yield of your target biomolecule because especially in assays with complex binding kinetics
- Better reproducibility

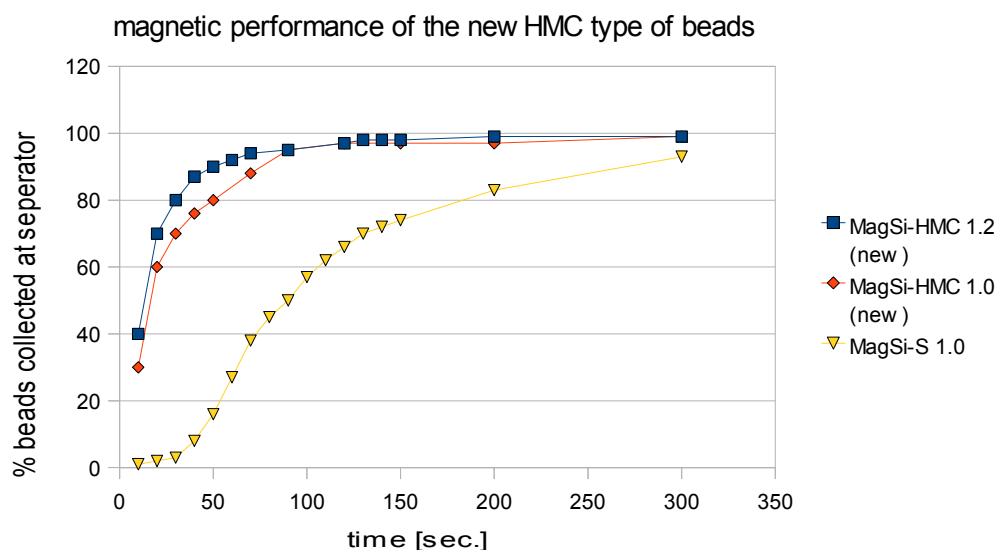


Fig. 1: Magnetic separation over time. The MagSi-HMC 1.0 and MagSi-HMC 1.2 are collected by a magnetic separator much faster than the MagSi beads in the past. The experiments have been performed in water in a strong magnetic field.

Order Information

Nr.	Product	Conc.	Size	Amount
MD01003	MagSi-S 1.0	10mg/ml	1µm	2ml
MD03003	MagSi-S 1.0	10mg/ml	1µm	10ml
MD01004	MagSi-S-COOH 1.0	10mg/ml	1µm	2ml
MD03004	MagSi-S-COOH 1.0	10mg/ml	1µm	10ml
MD01005	MagSi-S-NH2 1.0	10mg/ml	1µm	2ml
MD03005	MagSi-S-NH2 1.0	10mg/ml	1µm	MD01020
MD01006	MagSi-S-SH 1.0	10mg/ml	1µm	2ml
MD03006	MagSi-S-SH 1.0	10mg/ml	1µm	10ml
MD03007	MagSi-S-CHO 1.0	10mg/ml	1µm	10ml

Nr.	Product	Conc.	Size	Amount
MD01001	MagSi-STA 1.0	10mg/ml	1µm	2ml
MD03001	MagSi-STA 1.0	10mg/ml	1µm	10ml
MD01011	MagSi-protein A 1.0	10mg/ml	1µm	1ml
MD02011	MagSi-protein A 1.0	10mg/ml	1µm	5ml
MD01012	MagSi-protein G 1.0	10mg/ml	1µm	1ml
MD02012	MagSi-protein G 1.0	10mg/ml	1µm	5ml

Nr.	Product	Conc.	Size	Amount
MD01023	MagSi-WCX	20mg/ml	1.2µm	2ml
MD04023	MagSi-WCX	20mg/ml	1.2µm	10 ml
MD01025	MagSi-WAX	20mg/ml	1.2 µm	2ml
MD04025	MagSi-WAX	20mg/ml	1.2 µm	10 ml

MagnaMedics Diagnostics B.V.

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Information for Ordering

You can order by phone, fax, e-mail or online. For a fast and efficient service please provide the following order information:

Order online at:

www.magnamedics.com

Order via e-mail:

sales@magnamedics.com

Ordering via fax or telephone:

Tel: +31-(0)46-8200206
Fax: +31-(0)46-4106825

Time is ready for a change? You have a need for customized beads even in small scale?

Please contact Dr. Sven Goethel to discuss the possibilities: sgo@magnamedics.com