Advanced biomagnetic separation equipment

Sepmag Systems

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sepmag™

You have already selected the right magnetic bead for your application. Now what?

Stepmag ST-125

Before going into production, you need to ask yourself:

- **How will I scale-up the magnetic separation process?**
- **How will I guarantee reproducibility?**
- **How will I validate?**

In-vitro diagnostic (IVD) and other biotech companies functionalize magnetic beads and subsequently aliquot them into smaller kits, aiming to have perfect reproducibility of every single test.

Using traditional magnetic separators, not all beads experience similar conditions: some beads are fully magnetized, while others may experience weak or variable magnetization. Often, some beads even experience an excessive magnetic force that is potentially damaging to both the bead and its attached biomolecule.

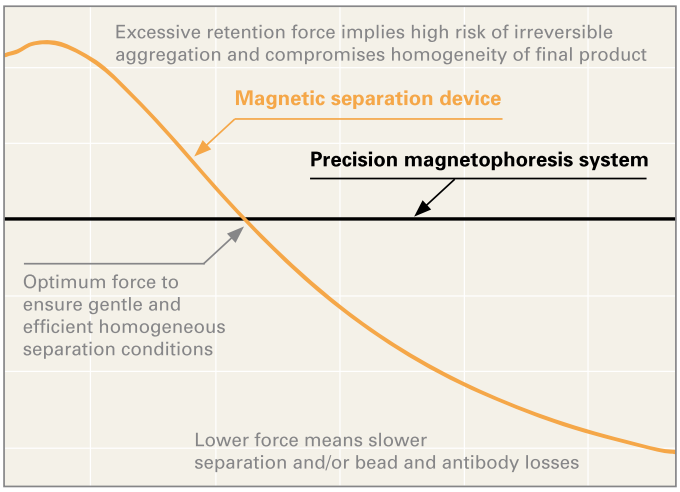
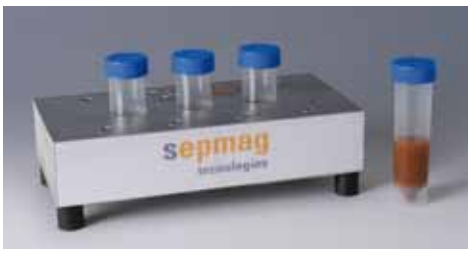


Diagram showing the variable force a bead experiences in a conventional magnet (orange) compared with the homogeneous force experienced in a Sepmag precision magnetophoresis system (black).



Lab 3x25

Sepmag systems provide your company with:

1. **Homogeneous separation conditions. Eliminate assay variability.**
2. **Highest recovery of biomolecules and beads.**
3. **Full scalability from 1µl to 50l.**
4. **Safe operation.**
5. **Process monitoring.**

Ordering information

Family	Model	Volume
Stepmag	ST-125	1-125 ml
Stepmag	ST-250	1-250 ml
Lab	Lab 1x15	15 ml
Lab	Lab 1x25	25 ml
Lab	Lab 3x25	3x25 ml
Q (large volume)	Q 250	250 ml
Q (large volume)	Q 500	500 ml
Q (large volume)	Q 1 L	1,000 ml
Q (large volume)	Q 2 L	2,000 ml
Q (large volume)	Q 5 L	5,000 ml
Q (large volume)	Q 10 L	10,000 ml
Q (large volume)	Q 15 L	15,000 ml
Q (large volume)	Q 20 L	20,000 ml

Customized systems available on request.

Check how Sepmag can help your biomagnetic separation process: www.sepmag.eu

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