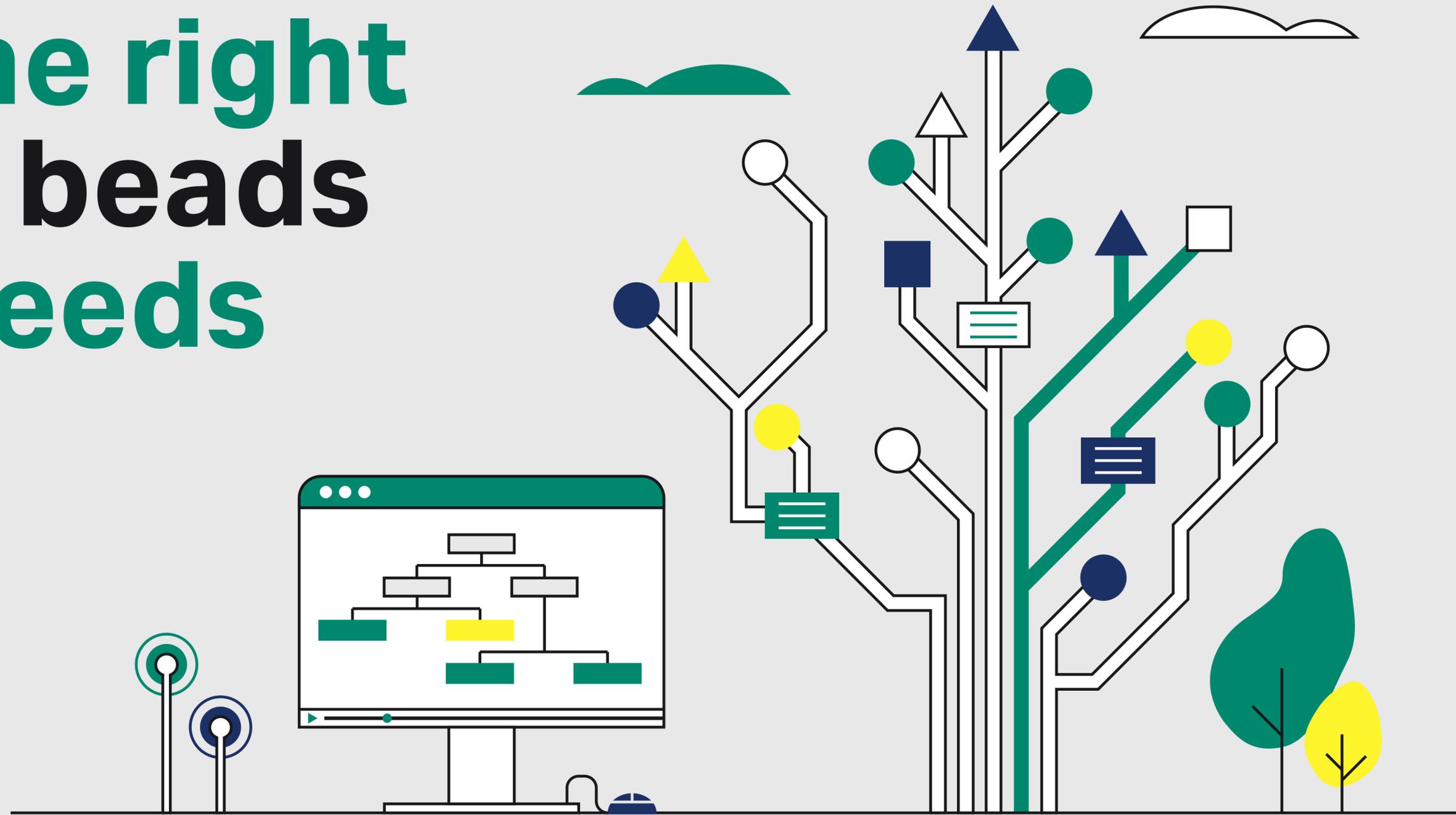
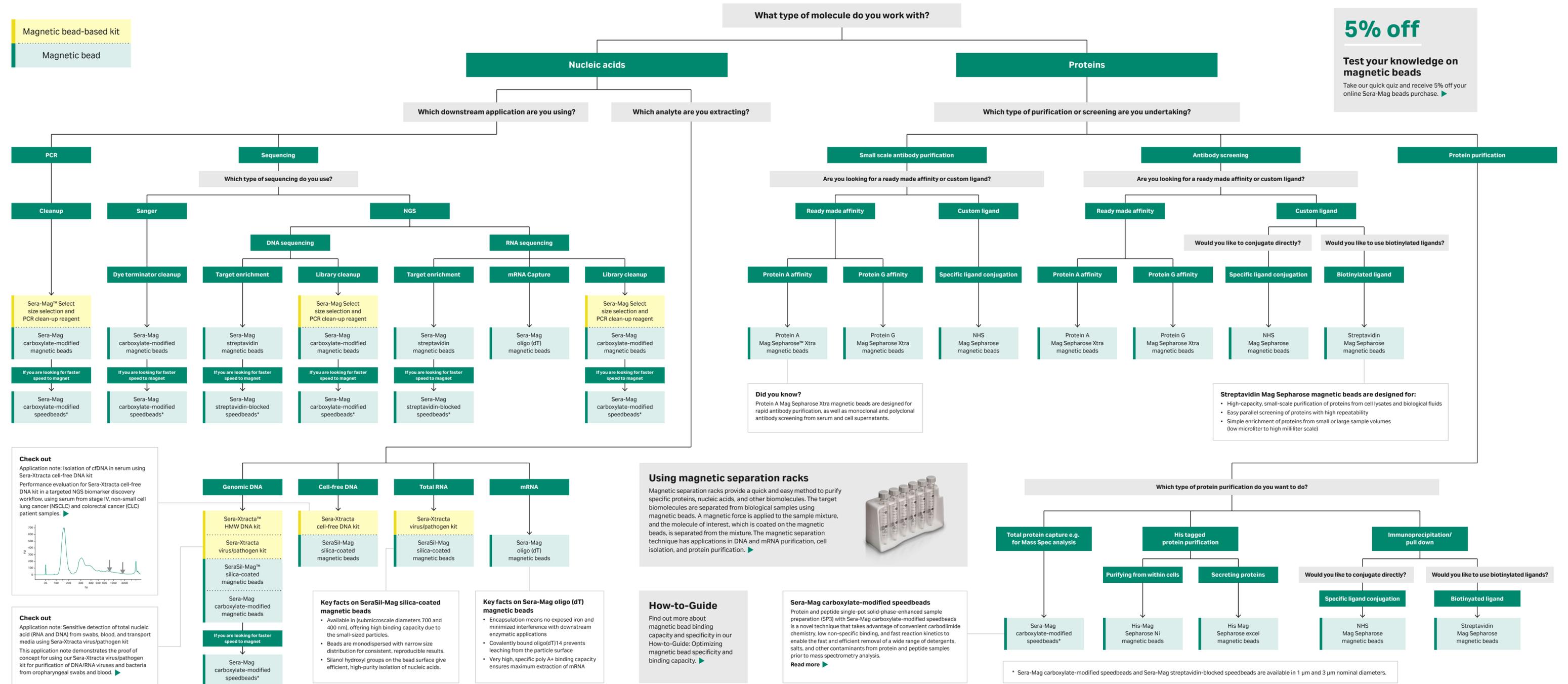


Decision tree

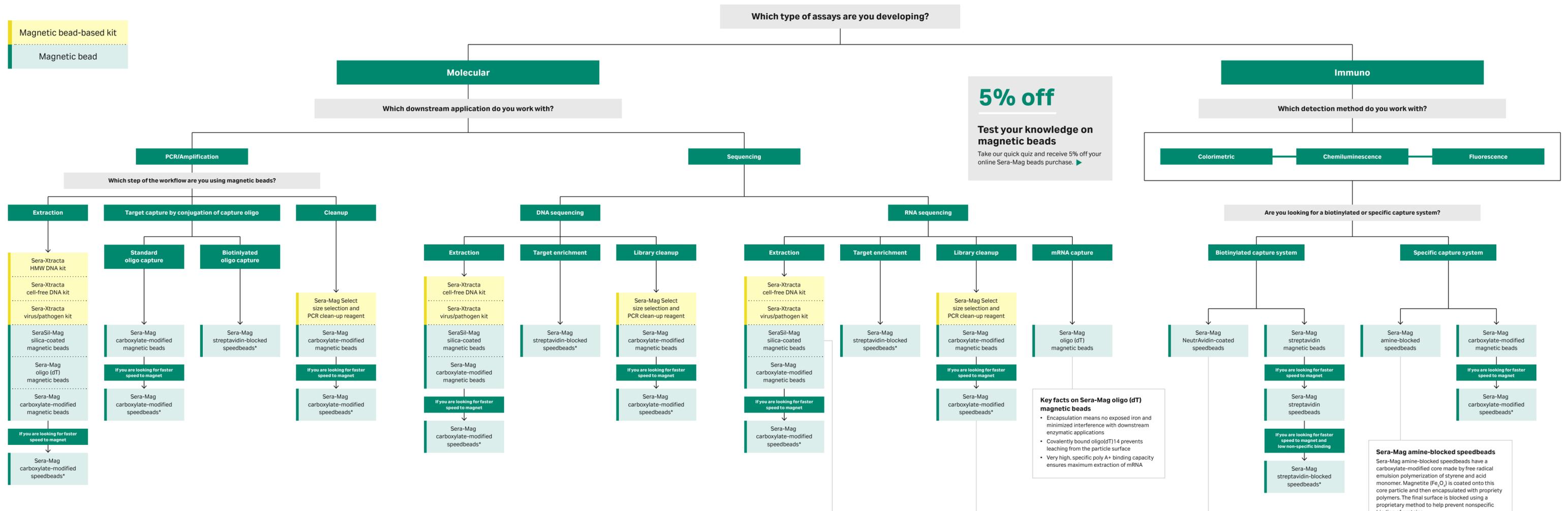
Choose the right magnetic beads for your needs



1. Choosing the right magnetic beads for your research applications



2. Choosing the right magnetic beads for your diagnostic applications



5% off
Test your knowledge on magnetic beads
 Take our quick quiz and receive 5% off your online Sera-Mag beads purchase. ▶

Key facts on Sera-Mag oligo (dT) magnetic beads

- Encapsulation means no exposed iron and minimized interference with downstream enzymatic applications
- Covalently bound oligo(dT)14 prevents leaching from the particle surface
- Very high, specific poly A+ binding capacity ensures maximum extraction of mRNA

Sera-Mag amine-blocked speedbeads

Sera-Mag amine-blocked speedbeads have a carboxylate-modified core made by free radical emulsion polymerization of styrene and acid monomer. Magnetite (Fe₃O₄) is coated onto this core particle and then encapsulated with proprietary polymers. The final surface is blocked using a proprietary method to help prevent nonspecific binding of proteins.

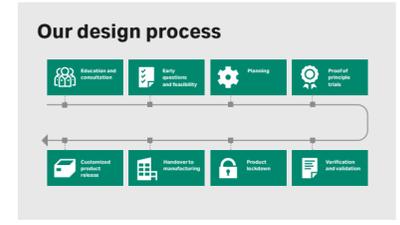


Check out our eBook

Want to read more about working with and optimizing magnetic bead experiments?

Spotlight on magnetic beads ▶

eBook **Spotlight on magnetic beads**



Customization

Customization is possible for any of our protein and nucleic acid sample preparation, labeling, and detection products including magnetic beads. Our dedicated customization team experts will work with you every step of the way, from defining the product specifications to delivery completion and from completing complex conjugations and formulations to performing your quality control test before the beads leave our factory. Options available:

- Adapting concentrations
- Modifying buffer composition and formulation, containers, dispense volumes
- Conjugating enzymes, antibodies, and custom ligands
- Developing non-standard size particles or functionalities
- Stabilizing magnetic beads for room temperature shipping and storage

Find out more and contact us about your custom project ▶

Key facts on SeraSil-Mag silica-coated magnetic beads

- Available in (sub)microscale diameters 700 and 400 nm, offering high binding capacity due to the small-sized particles.
- Beads are monodispersed with narrow size distribution for consistent, reproducible results.
- Silanol hydroxyl groups on the bead surface give efficient, high-purity isolation of nucleic acids.

Sera-Mag carboxylate-modified speedbeads

Protein and peptide single-pot solid-phase-enhanced sample preparation (SP3) with Sera-Mag carboxylate-modified speedbeads is a novel technique that takes advantage of convenient carbodiimide chemistry, low non-specific binding, and fast reaction kinetics to enable the fast and efficient removal of a wide range of detergents, salts, and other contaminants from protein and peptide samples prior to mass spectrometry analysis.

Read more ▶

Did you know?

Sera-Mag NeutrAvidin-coated magnetic beads:

- Provide near-neutral isoelectric point — pI = 6.3, more neutral than native avidin
- Are nearly devoid of glycosylation — decreased possibility of lectin binding compared to native avidin
- Provide no known off-target binding domains like streptavidin

* Sera-Mag carboxylate-modified speedbeads and Sera-Mag streptavidin-blocked speedbeads are available in 1 µm and 3 µm nominal diameters.

cytiva.com

Cytiva and the Drop logo are trademarks of Life Sciences IP Holdings Corp. or an affiliate doing business as Cytiva. Sepharose, Sera-Mag, SeraSil-Mag, and Sera-Xtracta are trademarks of Global Life Sciences Solutions USA LLC or an affiliate doing business as Cytiva.

Any other trademarks are the property of their respective owners.

© 2023–2024 Cytiva

For local office contact information, visit [cytiva.com/contact](https://www.cytiva.com/contact)

CY36069-03Dec24-IG

