



GALENVS

Genomic **nan**otechnologies



Precision Magnetic Nanoparticles and DNA/RNA for Advanced Diagnostics & Therapeutics

Solutions for Precision Diagnostics & Therapeutics

Our proprietary technologies in functional magnetic nanoparticles (MNPs) and oligonucleotide synthesis provide value to our healthcare and industry partners. We excel in solving complex challenges and creating customized, efficient processes tailored to specific product requirements

- Custom MNP synthesis & functionalization
- Unique DNA/RNA oligonucleotide synthesis capacity
- Vertical integration from lead optimization to pilot-scale production
- Rapid turnaround informed by rich data set and predictive models
- Cross-sector from human to environmental and animal health
- ISO9001 certified

Diagnostic Applications

- Oligonucleotide for primers, probes, molecular beacons, MGB & LNA
 - Custom multiplex panels for high sensitivity and specificity
- Functional MNPs for DNA/RNA/biomolecule extraction and enrichment from complex media
 - Highly tunable and monodisperse for targeted purification applications

Therapeutic Applications

- ASO, Aptamers, siRNA, sgRNA design & pilot-scale synthesis
 - In vitro screening and validation of lead candidates
- Designer MNPs for precise cell capture and manipulation
 - Optimizing the efficacy of cellular therapies and immunotherapeutic approaches

