



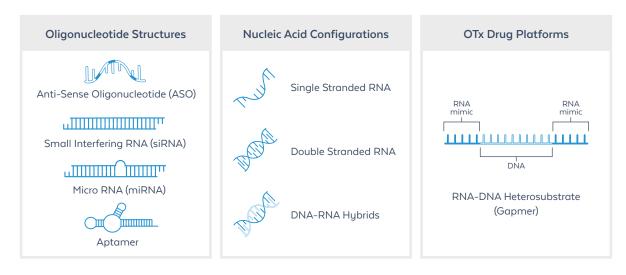
ModDetect™ Panels

Localize & quantify nucleic acid modifications independent of sequence

The first specialty reagent panels designed to streamline development of oligonucleotide therapeutics, mRNA vaccines, and more.

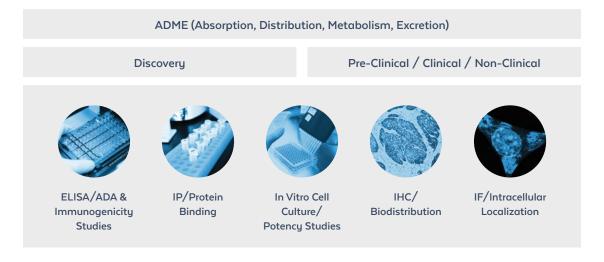
Targeted RNA Therapeutic Modalities

ModDetect panels are designed to facilitate the detection of specific chemical modifications independent of the sequence or location of the modification and can be used to evaluate a variety of RNA Tx modalities and nucleic acid structures.



ModDetect™ Panels as Analytical Tools

The ModDetect panels serve as analytical tools against different types of nucleic acid targets including modified backbones and 2'-O ribose moieties. Our in-house development ensures supply chain security and respect of client confidentiality and intellectual property.



✓ PATENT PENDING

About the ModDetect™ Panels

- Includes (5) reagents for testing and selection based on performance with client drug
- Designed for use in various immunoassays, such as ELISA, IF, and IHC
- Includes (3) secondary antibodies
- Unconjugated and biotin-conjugated panels available

Low on time or resources? Our team can perform *in vitro* assay evaluation studies using our ModDetect panels to determine the best reagent for detecting your oligonucleotide candidates.





Time Saving

Save 9-12 months in drug development with faster candidate triage



Less Risk

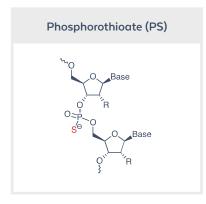
Several uniquely-specific reagents are provided for multiple immunoassays

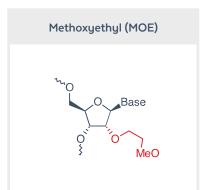


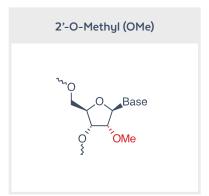
Cost Saving

Eliminate the need for custom antibody development

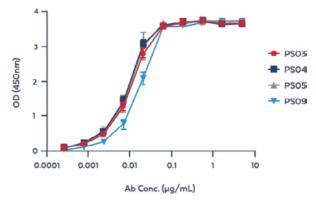
Specialty Reagent Panels

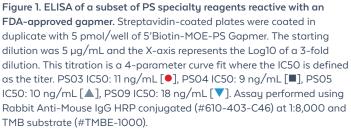






ModDetect™ Panel Results





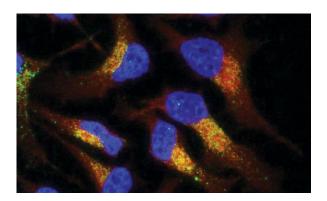


Figure 2. IF image of an LNA/PS ASO in HeLa cells using ModDetect PSO4. HeLa cells were fixed with PFA and 100 nM of a 16-mer LNA/PS oligonucleotide was delivered via gymnosis. Cells were stained with alpha-tubulin (red), DAPI (blue), and ModDetect PSO4 (green). Punctate cytoplasmic staining of ASO is consistent with endosomal storage of ASO within the cell, as expected for this Oligo Tx drug. (Image courtesy of Nucleic Acid Therapeutic Accelerator)