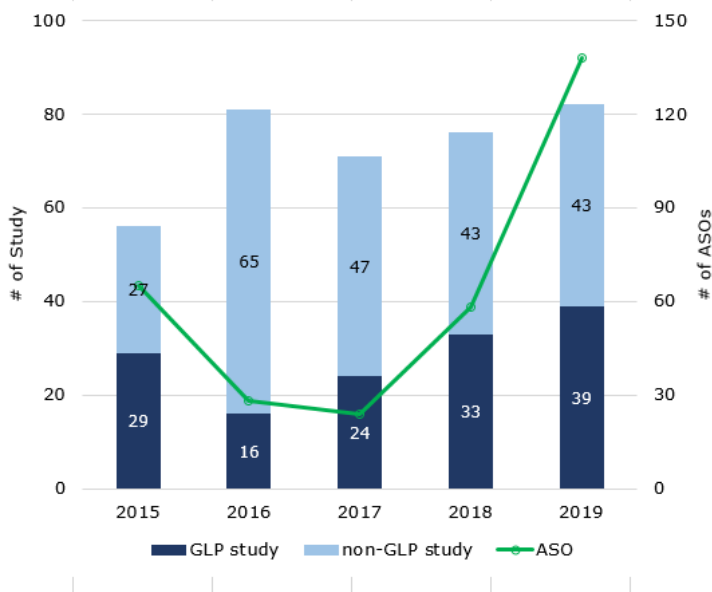


# Antisense Oligonucleotide Therapeutics Safety Assessment

Development of antisense oligonucleotides (ASOs) is a rapidly growing field, and SNBL has the specialized techniques, equipment, and dedicated resources to provide a range of GLP-compliant studies customized to your needs.

SNBL offers safety assessment through various routes of administration (IV, IT, ICV, etc.) and a highly sensitive assay of ASOs in animals.

## Experience



## Capabilities

### Evaluation of off-target toxicity

<b>Immunotoxicity</b>
Cytokine assay
<b>Complement activity</b>
C3 C4 C5a Bb CH50
<b>Hepatotoxicity</b>
AST ALT GLDH Chimeric mouse (humanized liver)
<b>Nephrotoxicity</b>
Kim-1 Cystatin C Clusterin NGAL

### ASO analysis

<b>Enzyme-linked oligosorbent assay (ELOSA)</b>
Highly sensitive LC-MS/MS assay



### On-Site Resources

Board-Certified Toxicologists (include DABT)  
Board-Certified Pathologists  
Board-Certified Veterinary Ophthalmologist  
Clinical Veterinarians



### Supporting Services

Analytical Chemistry  
Biomarkers  
TK/PK  
Clinical Pathology  
Flow Cytometry  
Histology



### Accreditation

GLP-Certified Facility  
AAALAC International