

QPS PCR SERVICES

QPS is a leading full-service global CRO with extensive experience conducting research, offering comprehensive services to ensure successful drug development. Our experienced and dedicated global team provides unmatched support, from preclinical studies to bioanalysis and all phases of clinical trials.

NUCLEIC ACID THERAPEUTICS SUPPORTED

MOLECULE TYPES	METHODs	SPECIES	MATRICES	PHASES
Viral Vectors (e.g. AAV4, AAV8, VSV-GP, Lenti) – PK – Biodistribution – Shedding / Clearance – Insertion / Copy Number	qPCR, RT-qPCR & ddPCR <i>ELISA/ECL for ADA/NAb</i>	Mouse, Rat, Pig, Monkey, Human	• Whole Blood, Plasma, Serum, Urine, Saliva, Semen, PBMCs, Tears • Tissues (brain, epididymides, heart, kidney, liver, lung, ovaries, prostate, skeletal muscle, skin, spleen, tears, testis, tumors, urinary bladder, ...)	Preclinical to Clinical
CRISPR: Cas9, gRNAs – PK	RT-qPCR	NHP, Human	• Plasma, Urine, Tissues	Preclinical to Clinical
(Encapsulated) mRNAs – PK – Biodistribution	RT-qPCR <i>ELISA/ECL for ADA</i>	Rat, Mouse, NHP, Human	• Whole Blood, Plasma, Serum, BALF, bronchia epithelia cells • Tissues (brain, GI tract, heart, kidney, larynx, liver, lung, nasal epithelium, nasal turbinates, ovaries, spleen, stomach, testis, trachea, tracheobronchial lymph nodes, ...)	Preclinical to Clinical
(Encapsulated) DNA Plasmids Bacterial Vectors – PK – Biodistribution	qPCR	Rat, Dog, Human	• Feces • Tissues (brain, GI tract, gonads, heart, kidney, liver, lung, spleen, etc....)	Preclinical to Clinical
Endogenous and Transgene Expression	RT-qPCR & RT-ddPCR	Mouse, Rat, Monkey, Human	• Whole Blood, CSF, Serum, Biopsies • Tissues (brain, gonads, muscle, heart, kidney, liver, ...)	Preclinical to Clinical

Nucleic Acid Extraction

- ▶ QIASymphony SP (3 units)
- ▶ Maxwell RSC for sample extraction (3 units)
- ▶ KingFisher™ Flex System (3 units)

Genotyping and mRNA Expression Analysis

- ▶ Genotyping (endpoint analysis)
- ▶ TaqMan (custom or commercial assays)
- ▶ TaqMan Low Density Array (TLDA) cards

Detectors

- ▶ NanoDrop 8000 UV-Vis Spectrophotometer
- ▶ Agilent Tape Stations (2 units)
- ▶ QuantStudio 7 Flex (7 units) Real Time PCR Systems
- ▶ BioRad QX ONE Droplet Digital PCR (ddPCR)
- ▶ QIAcuity Eight Digital PCR (dPCR) Systems (2 units)

Robotics: liquid handlers for plate assembly

- ▶ QIAgility Liquid Handling Systems (8 units)
- ▶ Liquid handling robots



Pharmacology



Toxicology



DMPK



Bioanalysis



Translational Medicine



Phase I Clinics



Regulatory & Medical



Central Lab Services

BMA: BIOMARKERS - SUPPORTED PROJECTS

25+ years of experience in assessing commercial ELISA, ECL and Luminex reagents, and bringing methods to Validation.

Across multiple indications

- ▶ Multiplexing
- ▶ Single target assay development (transfer) & analysis
- ▶ Kit lot evaluation / storage / bridging

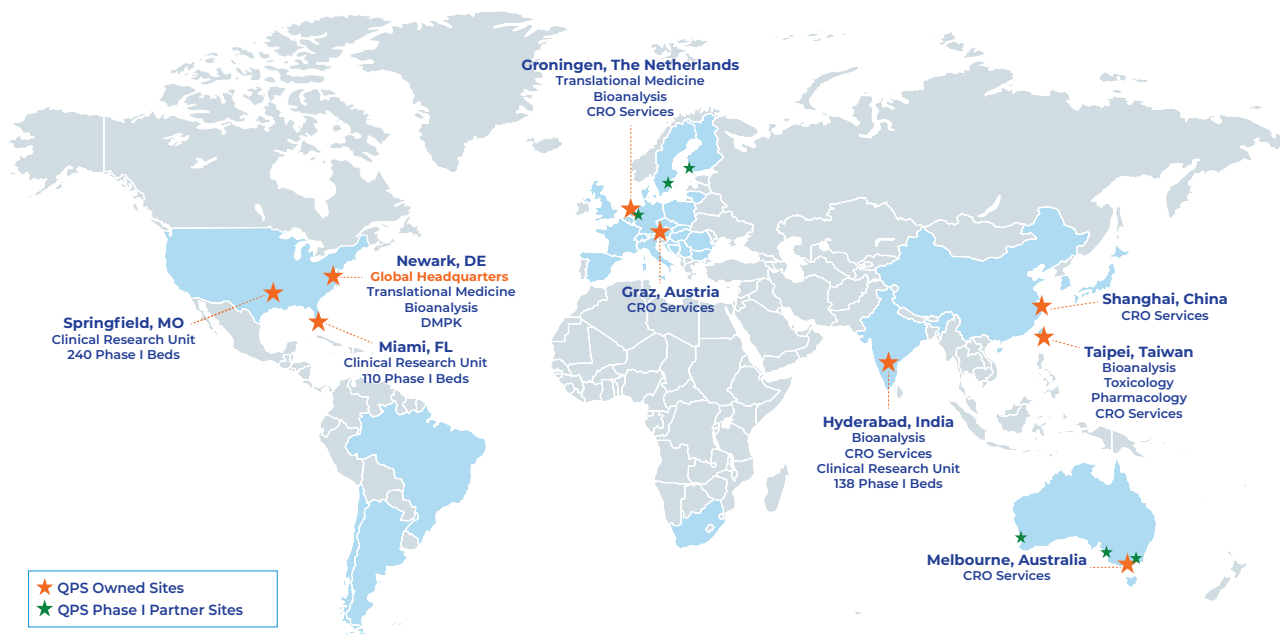
Supported Regulatory Stringency

- ▶ Research grade analysis for exploratory markers
- ▶ Full validation & GLP analysis for higher sensitivity primary & secondary supporting endpoint biomarkers

Biomarker Platforms

- ▶ ELISA: Multiple platereaders: colorimetric, luminescent, and fluorescent
- ▶ Electrochemiluminescence (ECL): MSD S600s (3 units) and MSD QuickPlex SQ 120MM (2 units)
- ▶ Luminex® multiplex platform: Luminex® 200 (3 units)
- ▶ Protein Simple: Ella (2 units)
- ▶ NuLISA: Argo HT Systems (2 units)
- ▶ LC-MS/MS: Multiple Triple Quadrupoles and HRMS

QPS CLINICAL TRIAL SITES AND NETWORK LOCATIONS



NETWORK LOCATIONS: USA / Austria / Australia / Argentina / Belgium / Bosnia / Brazil / Bulgaria / Chile / China / Croatia / Czech Republic / Denmark / France / Finland / Germany / Hungary / India / Italy / Lithuania / Netherlands / Poland / Romania / Serbia / Slovakia / South Africa / South Korea / Spain / Sweden / Taiwan / United Kingdom

Discover how QPS can accelerate your clinical research.

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