

DNA and Gene Synthesis

DNA and Gene Synthesis unit at WuXi AppTec offers synthesis of DNA/RNA oligonucleotides, genes and their constructs, and customized services with high quality standard, competitive price, and fast turnaround time. We have experts with more than 15 years of experience in the field to create the most technically challenging custom products. Our scientists collaborate with researchers around the world to meet customer specifications – no matter how complex.

WuXi AppTec is a global leader in providing discovery, testing and manufacturing services for the pharmaceutical, biotechnology and medical device industries. Research-driven and customer-focused, with operations in China and the U.S., WuXi AppTec offers a broad and integrated portfolio of services designed to assist our customers with cost-effective and efficient outsourcing solutions.

WX
LISTED
NYSE

Services and Capabilities - DNA Synthesis

- Regular Oligonucleotides
 - Synthesis scales: 0.025, 0.05, 0.2, 1.0, 10.0, 15.0 μ mole and up
 - Sequence length: 10–60 mer. Contact us for longer oligos
- Modified Oligonucleotides
 - Amino-modifiers
 - Dye-labeled Primers
 - Phosphorothioates
 - Nucleic acid Probes
 - Branched Oligonucleotides
 - Oligonucleotide Conjugates
- Purification
 - Desalting
 - Cartridge
 - HPLC
 - PAGE
- Standard and Quality Control
 - ISO 9001, ISO13485, GMP
 - UV absorbance measurements
 - Mass Spectrometry
 - HPLC
 - Capillary Gel Electrophoresis



Dr. Oligo 192 DNA Synthesizer
For high throughput oligonucleotide synthesis



Agilent 1200 HPLC
for analysis and small scale purification



MerMade 6/12 DNA Synthesizer
For medium scale oligonucleotide synthesis

For more information on WuXi AppTec's services please contact:

U.S.
+1 (651) 675 2000 • +1 (888) 794 0077
info@wuxiapptec.com

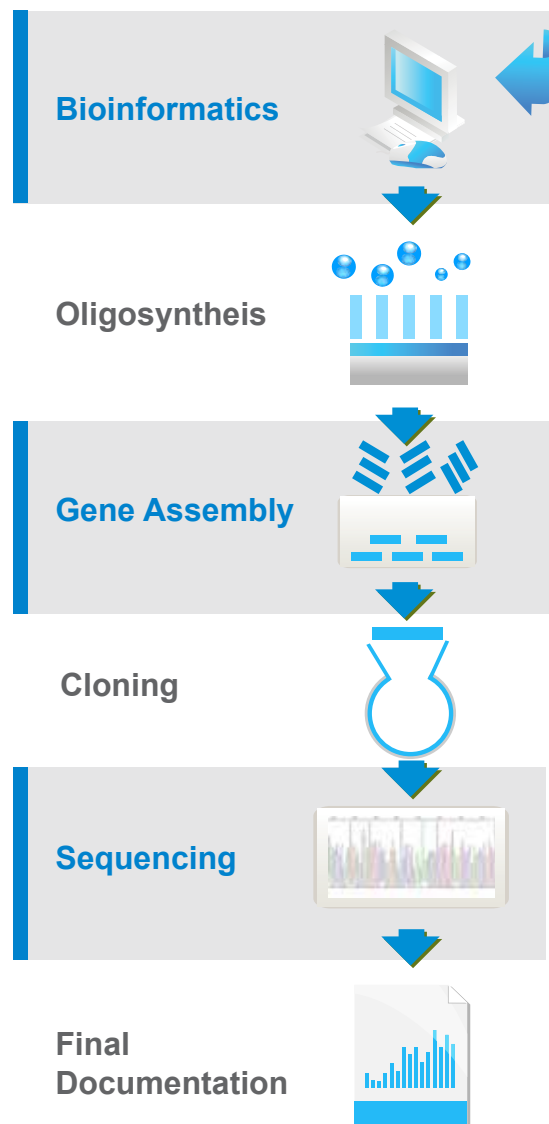
China
+86 (21) 5046 2477
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Services and Capabilities - GENE Synthesis

- Gene Synthesis
 - Accurately and efficiently synthesize complex and long genes using cutting-edge PCR technology combined with seamless cloning and assembly processes
- Vector Construction
 - Restriction digestion or recombination-based cloning system can fuse your gene into any vector of your choice
- Gene optimization
 - Codon optimization to increase protein expression level
- Site-directed mutagenesis services
 - Internal and 5'/3' modifications

Flow Chart



Well organized laboratory operated by experienced scientists and equipped with state-of-art instruments



ABI 3730 for Sequencing confirmation



PCR for gene synthesis

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