

# PCR Assay Design and Development

GenCefe Biotech's production team has accumulated more than ten years of experience in oligo synthesis and modification, and cooperates with professional bioinformatics and AI technical teams to provide you with one-step PCR assay design and development services from design, synthesis to verification. After receiving your requirements, we will perform AI-assisted design of your assay, synthesize oligos in our ISO9001 certified laboratory and deliver the product according to your needs or conduct further validation.

We are committed to helping speed up your time to market with professional technologies and high-quality services.

## Service Features:

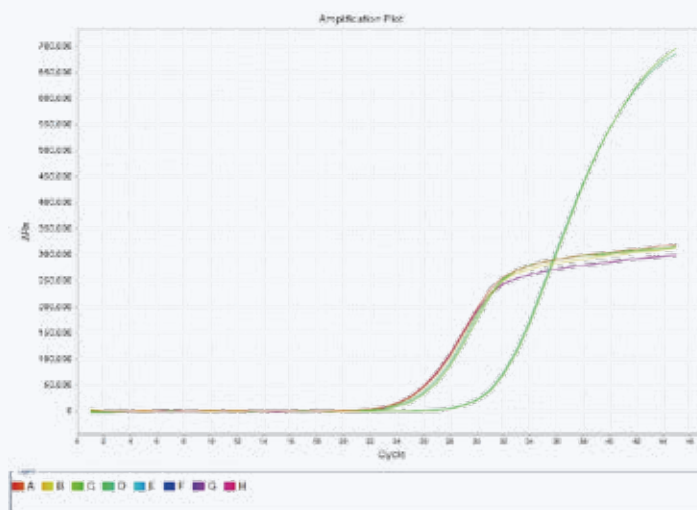
- **Guaranteed Design Result:** For professional design and validation package, if the first design does not achieve the desired results, we will provide an alternative assay design at no additional charge.
- **Computer-assisted:** Utilize in-silico tools for simulation evaluation to minimize unnecessary trial and error during wet-lab assay optimization.
- **Professional oligonucleotide synthesis:** advanced oligo synthesis technology platform, with a variety of modifications and fluorescent labels to choose from.

## Case Study: Customized development of 15 high-risk HPV fluorescent PCR detection kits

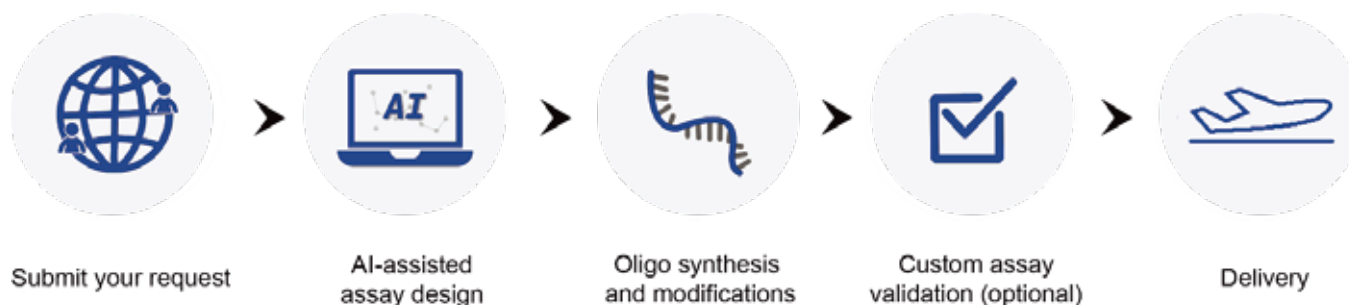
**Detection target:** 15 high-risk HPV

**Detection method:** Fluorescent probe PCR method

**Result:**



## Service Workflow:



## Service Specifications:

	Service Type	Designed Items	Turnaround Time
<b>Standard Design</b>	Custom primer/probe design with conventional software, no database comparison is performed.	Designed Primer/Probe	Starting from 1 business day
<b>Professional Design</b>	Dye-based fluorescent PCR (Design Only)	1 pair of primer for the target sequence	2-3 business days
	Probe-based fluorescent PCR (Design Only)	1 pair of primer and 1 probe for the target sequence	2-3 business days
	PCR-electrophoresis (Design Only)	1 pair of primer for the target sequence	2-3 business days
	SNP Detection (Design Only)	2 probes for each pair of primer	2-3 business days
<b>Validation Package</b>	Dye-based fluorescent PCR (Design & Validation)	1 pair of primer for the target sequence	Get a Quote
	Probe-based fluorescent PCR (Design & Validation)	1 pair of primer and 1 probe for the target sequence	Get a Quote
	PCR-electrophoresis (Design & Validation)	1 pair of primer for the target sequence	Get a Quote
	SNP Detection (Design & Validation)	2 probes for each pair of primer	Get a Quote

## How to order:

Please fill out the project inquiry form and send it to [oligo@gencefebio.com](mailto:oligo@gencefebio.com). GenCefe technical support will reply to you within 1 business day.

## GenCefe Biotech

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