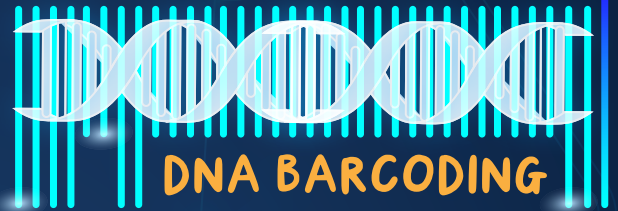


**DNA/RNA
EXTRACTION**



ATTAGCTGATATTAGACGCTGATATTAGAC

**GENE SYNTHESIS/GENE
FRAGMENT SYNTHESIS**



DNA BARCODING

DON'T COMPROMISE ON QUALITY.

Choose 1st BASE Molecular Biology Services for the results you can trust.



Quality Results



Fast Turnaround Time



Experienced Team



Stringent QC



6,000+
Publications from
Google Scholar Data

DNA BARCODING

DNA Barcoding Services involve the use of DNA sequences from specific regions of an organism's genome to identify and classify species. Leveraging 1st BASE proficiency in DNA sequencing, we provide comprehensive DNA barcoding/identification services encompassing pure isolates of bacterial, fungal, plant, and animal samples.

We also provide sample preparation services alongside our DNA barcoding, and the services we offer include the following:

- Bacterial DNA Barcoding (pure isolates), full length of 16s rRNA (~ 1400 bp).
- Eukaryote DNA Barcoding, 18s rRNA (~1800bp)
- Fish DNA Barcoding, COI (~700bp)
- Fungal DNA Barcoding (pure isolates), ITS (~700bp)
- Insect DNA Barcoding, COI (~700bp)
- Plant DNA Barcoding, rbcL (~600bp) or matK (~850bp)
- Custom DNA Barcoding (at your choice of conserved region, MOQ=5 samples)

GENE SYNTHESIS/ GENE FRAGMENT SYNTHESIS

With 1st BASE Gene Synthesis/Gene Fragment Synthesis, you can guarantee high sequence accuracy while enjoying a quick turnaround time and the assistance of a specialised technical support team. This allows you to allocate more focus towards your experimentation and analysis, thus optimising your research workflow.

The list of Gene Synthesis/Fragment Synthesis Services we offer include the following:

- PCR Product Cloning
 - ◆ PCR Product Cloning Service (up to 1.5kb)
 - ◆ PCR Product Cloning Service PLUS (up to 1.5kb)
- Custom Gene Synthesis (25 to 500bp) into your destination vector.
- Subcloning Service
 - ◆ Subcloning Service (up to 1.5kb of insert)

DNA/RNA EXTRACTION

1st BASE offers extensive in-house expertise in sample processing for various downstream molecular biology applications. Researchers can confidently entrust us with their sample processing requirements, knowing that we will handle them efficiently.

The list of DNA/RNA Extraction Services we offer include the following:

- DNA Preparation - Standard/NGS- Grade Genomic DNA (gDNA) Extraction
- DNA LabChip Analysis
- DNA Preparation for Blood/ Saliva
- RNA LabChip Analysis
- RNA Preparation: Standard/NGS- Grade RNA Extraction