

## Discover our Workflows



Protein Analysis



Nucleic Acid Analysis



Cloning & Gene Engineering



Immunohistochemistry (IHC)



Cell Culture



# Nucleic Acid Analysis Workflow

From Sample to Insight.  
Empowering your Workflows.

# Nucleic Acid Analysis Workflow



Nucleic acid analysis focuses on the extraction, characterization, and interrogation of DNA and RNA to understand genetic information and gene expression. These methods are fundamental to molecular biology, diagnostics, and genomics research.

The workflow enables precise detection, profiling, and quantification of nucleic acids across diverse sample types.



## Your Experimental Methods

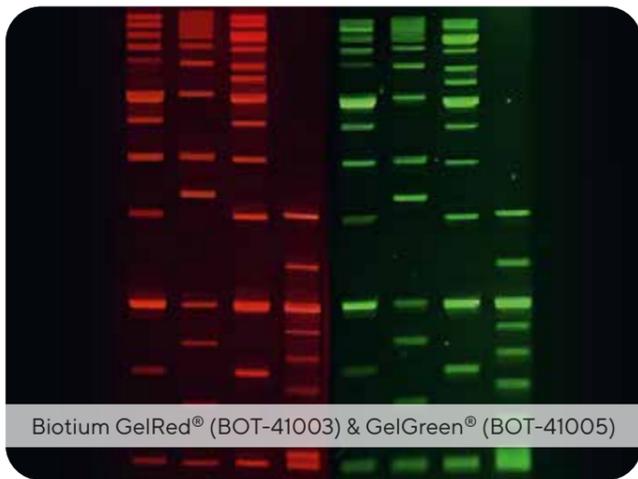
- Cell / Tissue Lysis
- Nucleic Acid Extraction and Purification
- Gel Electrophoresis
- Staining and Verification

- Purification
- cDNA-Synthesis
- Fragmentation / Digestion

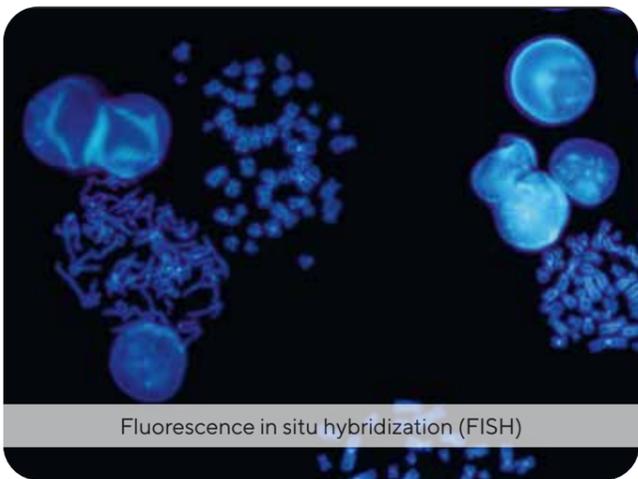
- Polymerase Chain Reaction (PCR)
- Purification
- Library Construction

- Nucleic Acid Staining
- In-gel Analysis
- Blotting
- Probe- and Dye-based Detection

## Our Supporting Brands



Biotium GelRed® (BOT-41003) & GelGreen® (BOT-41005)



Fluorescence in situ hybridization (FISH)