# PCR WITH BRAND® LIQUID HANDLING AND CONSUMABLES

From BrandTech®

## Premium quality products assure reproducible results

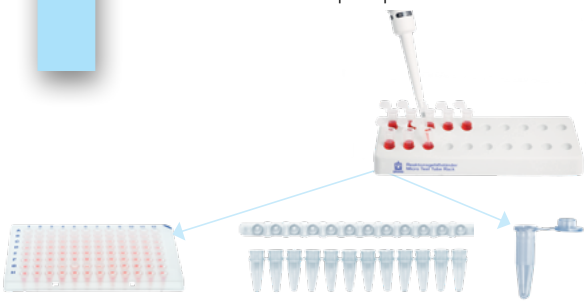
Isolate and purify nucleic acid from your samples. The matched set of BRAND® Transferpette® *S* pipettes and BRAND® BIO-CERT® filter tips are an excellent choice for transferring small amounts of liquid without contamination. BRAND® UV-Cuvette® disposable UV-transparent cuvettes are useful if purity or quantification measurements are necessary. Samples, primers, nucleotides and polymerase are transferred from BRAND® microcentrifuge tubes into high quality PCR plates, strips or tubes and sealed with appropriate film or cap strips.

### ITEMS USED FOR SAMPLE PREP:

Pipettes
Pipette tips
Cuvettes
Microcentrifuge tubes
PCR Plates, Strips, & Tubes
PCR Films and Accessories

### 1 Sample Preparation

a. Pipette samples and reagents into PCR plate, tubes or strips
b. Seal with film or cap strips



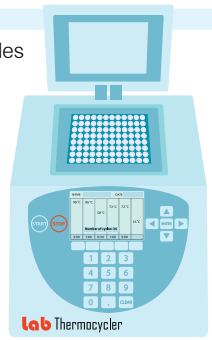
Once the samples are sealed in the PCR vessel, they should be put into a thermal cycler. BRAND® PCR plastics have thin uniform walls for quick, even heat transfer to get the maximum amplification from each cycle. The plastics are manufactured from high quality virgin resins without leachables such as lubricants and chemical additives that could inhibit the process.

### ITEMS USED FOR AMPLIFICATION:

PCR Plates, Strips, and Tubes
PCR Films and Accessories

### 2 Amplification

a. Place prepared samples in thermal cycler
b. Run amplification protocol



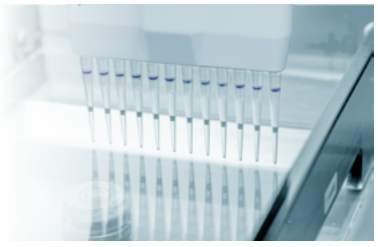

Once amplification is performed, many different things may happen with the amplified products including gel electrophoresis, cloning, or sequencing. BRAND® Transferpette® pipettes can be used to transfer the amplified PCR products for its next step. Transferpette® electronic pipettes feature a unique gel-loading mode that dispenses very slowly and can measure the dispensed volume. Altogether PCR is easily accomplished using liquid handling and consumables from BRAND®.

### ITEMS USED FOR ANALYSIS:

PCR Plates, Strips, and Tubes
PCR Films and Accessories
Pipettes
Pipette tips

### 3 Analysis

a. Load into gel for downstream analysis
b. Subject isolated products to further cloning or sequencing experiments



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