



appGENE Genomic DNA kit

Reliable & Versatile DNA Purification

The appGENE genomic DNA kit provides an easy-to-use and rapid method for the isolation of up to 50µg of genomic, mitochondrial, bacterial, parasite or viral DNA from tissues, physiological fluids, blood, swabs, semen, hair, rodent tails, insects, bacteria, yeast and cell cultures. Multiple samples of up to 1×10^7 eukaryotic cells, up to 30 mg of tissue or physiological fluids can be processed in parallel in <25 mins. Purified DNA can be used in many downstream applications like PCR, qPCR, Southern blotting, genotyping, DNA sequencing, restriction digests, and ligations.

Main Features

- Efficient purification of high quality total genomic, mitochondrial, bacterial, parasite or viral DNA from multiple sources
- Suitable for downstream applications like PCR, qPCR, Southern blotting, sequencing and restriction digests
- No phenol/chloroform extraction, no CsCl gradients, no LiCl or ethanol precipitation
- Maximum binding capacity / spin column: up to 50µg
- DNA extraction time: ~12 mins
- Homogenisation processing time: 10-60 mins
- Suitable for extraction of DNA from a variety of tissues, fluids, blood, swabs, semen, hair, rodent tails, insects, bacteria, yeast and cell cultures
- Sample types:
 - 1-30 mg fresh / frozen / formalin-preserved / paraffin-embedded tissue
 - ≤ 5 ml physiological fluids (urine, cerebrospinal / peritoneal / pleural fluid, sputum)
 - ≤ 1 ml fresh or frozen human / mammalian blood
 - human / mammalian buccal, nasal, pharyngeal, vaginal, blood and saliva swabs
 - ≤ 150µl semen
 - 1-30mg hair
 - 3ml ($\leq 10^9$ cells) broth or plate bacterial or yeast culture or frozen cell pellet
 - 1-30mg insect or rodent tails
 - 10^3 - 10^7 cultured cells

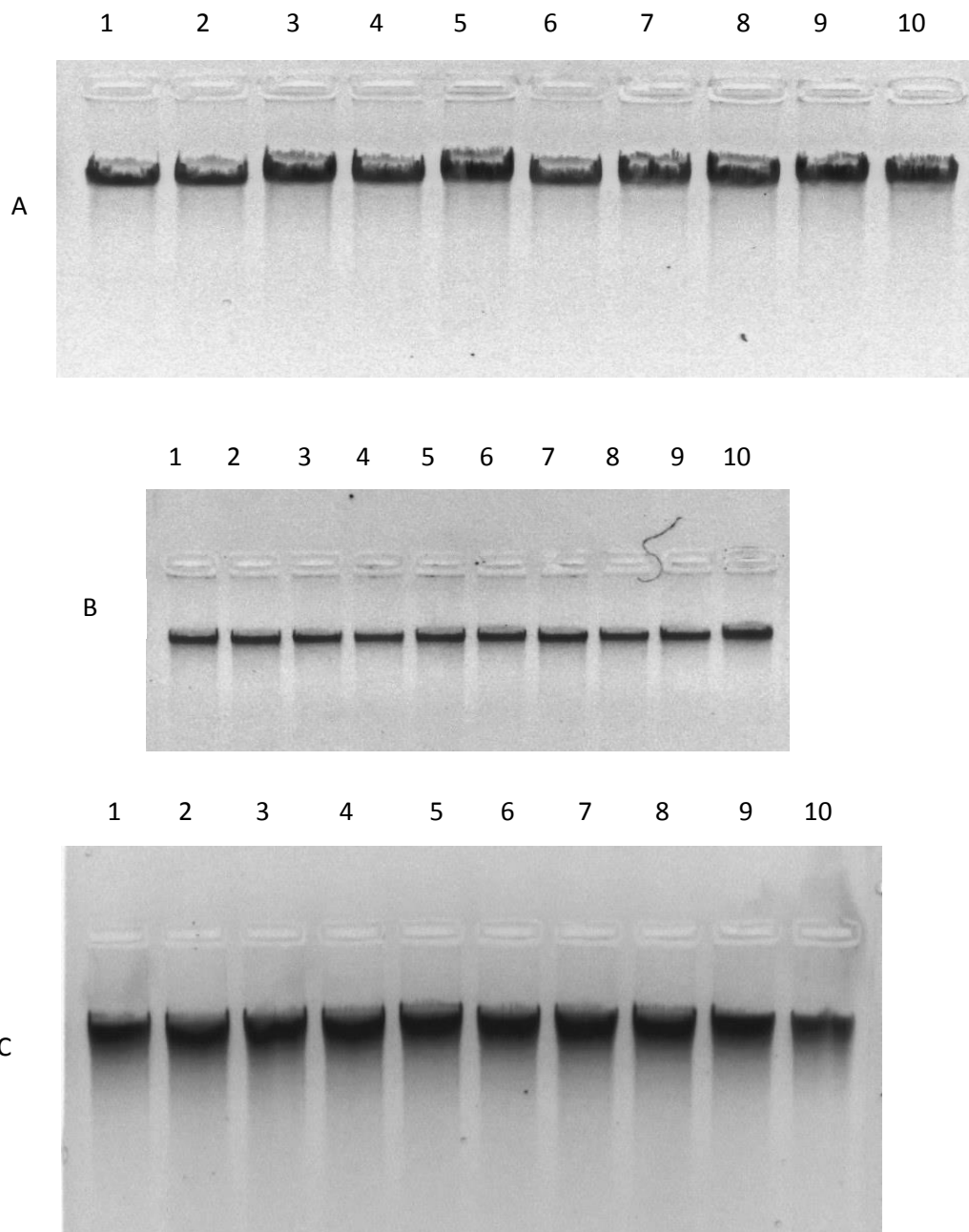


Figure 1: DNA extraction from Blood, Cultured Cells & Tissue using the appGENE Genomic DNA kit. Ten replicates of total DNA were extracted from 400µl of blood/sample (A) or from 1×10^6 cells of A549 cell line/ sample (B) or from 20 mg of trout's liver / sample (C) using the appGENE Genomic DNA kit. DNA was eluted into a final volume of 50µl. 5µl of each sample was run on a 1.5% TAE agarose gel.

Ordering Information

Product Code	Description	Pack Size / preps
ARN020	appGENE Genomic DNA Kit	50
ARN021	appGENE Genomic DNA Kit	250

Cat No: ARN020 / 21

Ver1.0