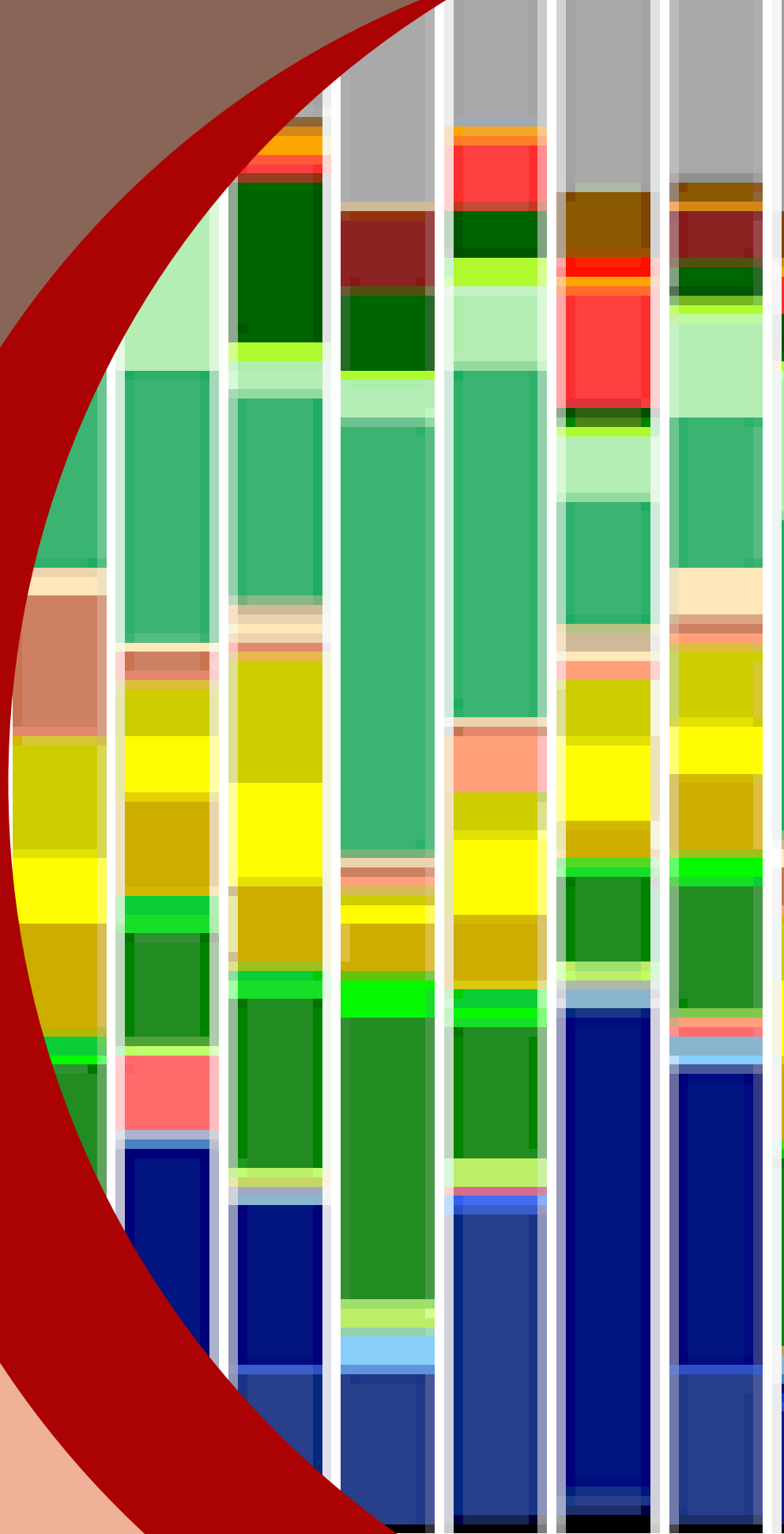




Simple, quick DNA  
isolation method from  
stool/ fecal samples



MAGNETIC NANOPARTICLE BASED

STOOL DNA ISOLATION PROTOCOL

**1**

**Lysis**

**2**

**Binding**

**3**

**Washing**

**4**

**Elution**

**XpressDNA Stool Kit**

VISIT US FOR MORE INFORMATION

[WWW.MAGGENOME.US](http://WWW.MAGGENOME.US)

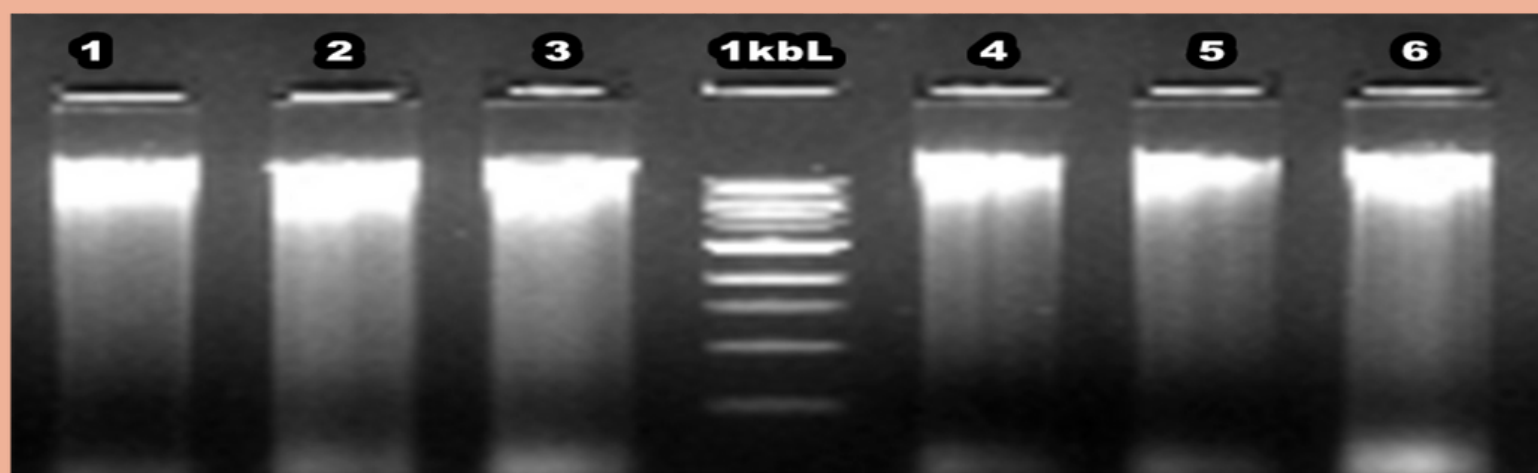
## Product Description



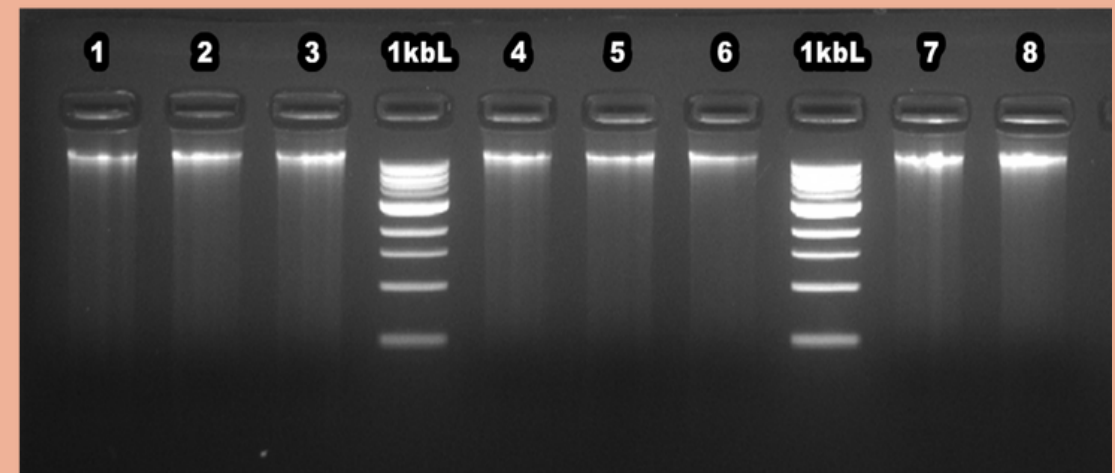
The XpressDNA Stool kit uses our patented magnetic nanoparticles-based technology for DNA extraction that is quick and robust and ready for downstream PCR, sequencing, or other applications. Inhibitor removal step effectively removes complex polysaccharides, bile salts and other contaminants in the stool sample. The new method effectively eliminates PCR inhibitors leaving high quality genomic DNA for downstream applications. The highly efficient inhibitor removal technology makes this the prime kit for metagenomics research projects.

## Highlights

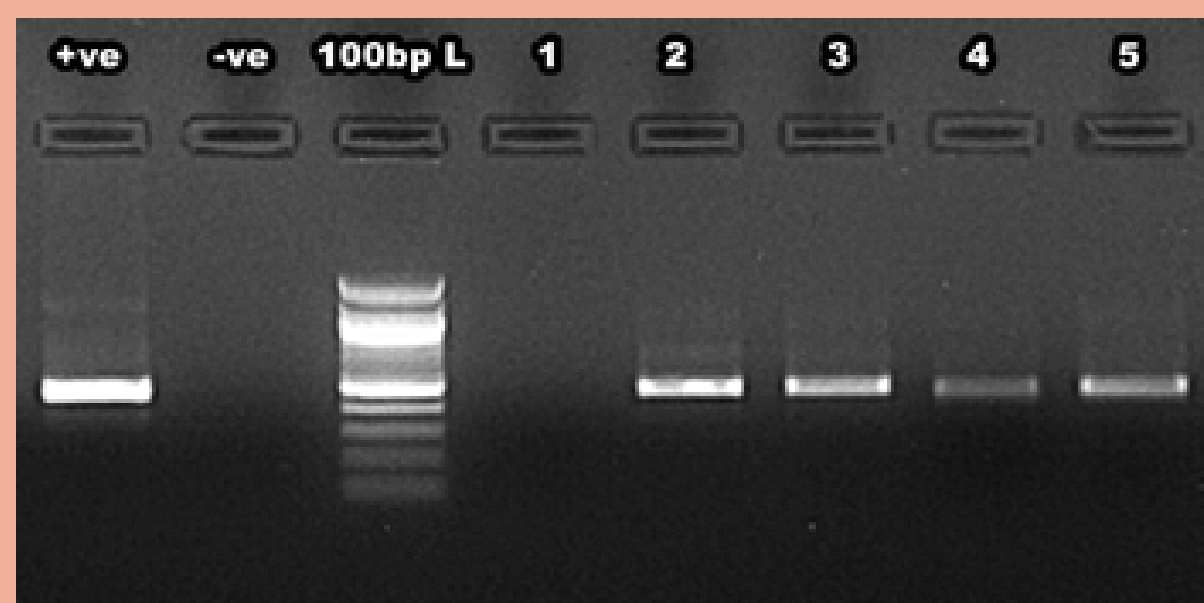
- Efficient lysis of all microorganisms (including gram positive bacteria and fungi) by a combination of chemical and mechanical disruption without bead beating step
- High quality genomic DNA
- High yield
- Efficient removal of PCR inhibitors by precipitation
- Recovery of high-purity, inhibitor free DNA compatible with common downstream applications such as qPCR and next-generation sequencing.



A. Human Stool

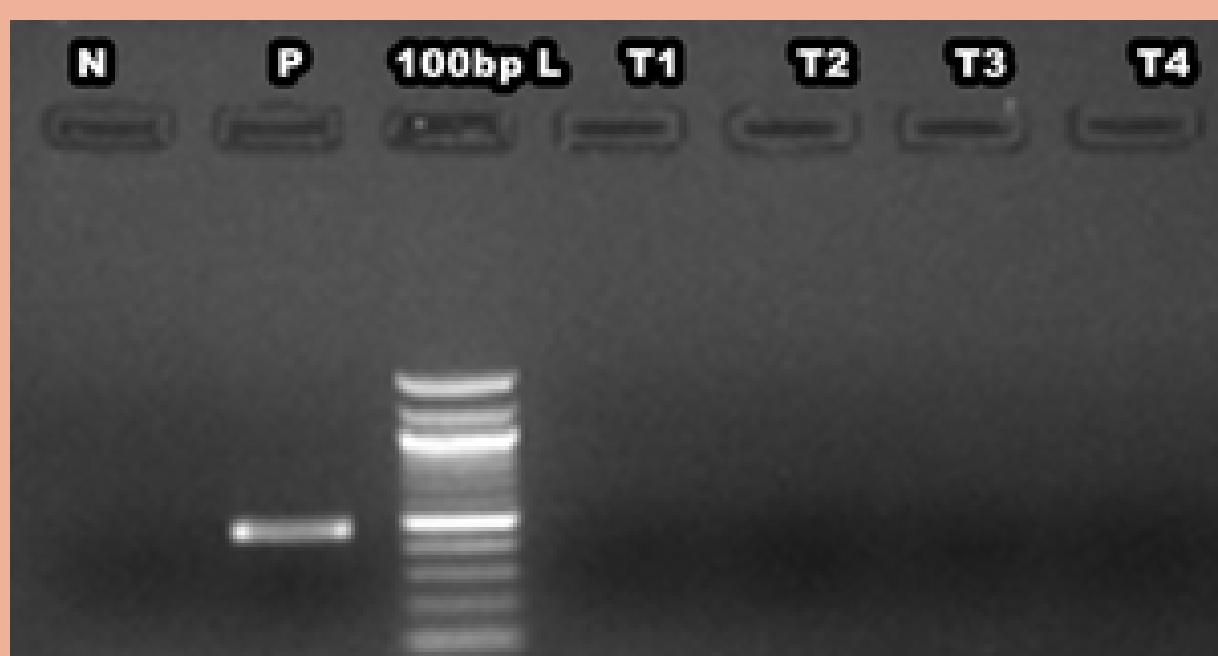


B. Ruminant Fecal Samples

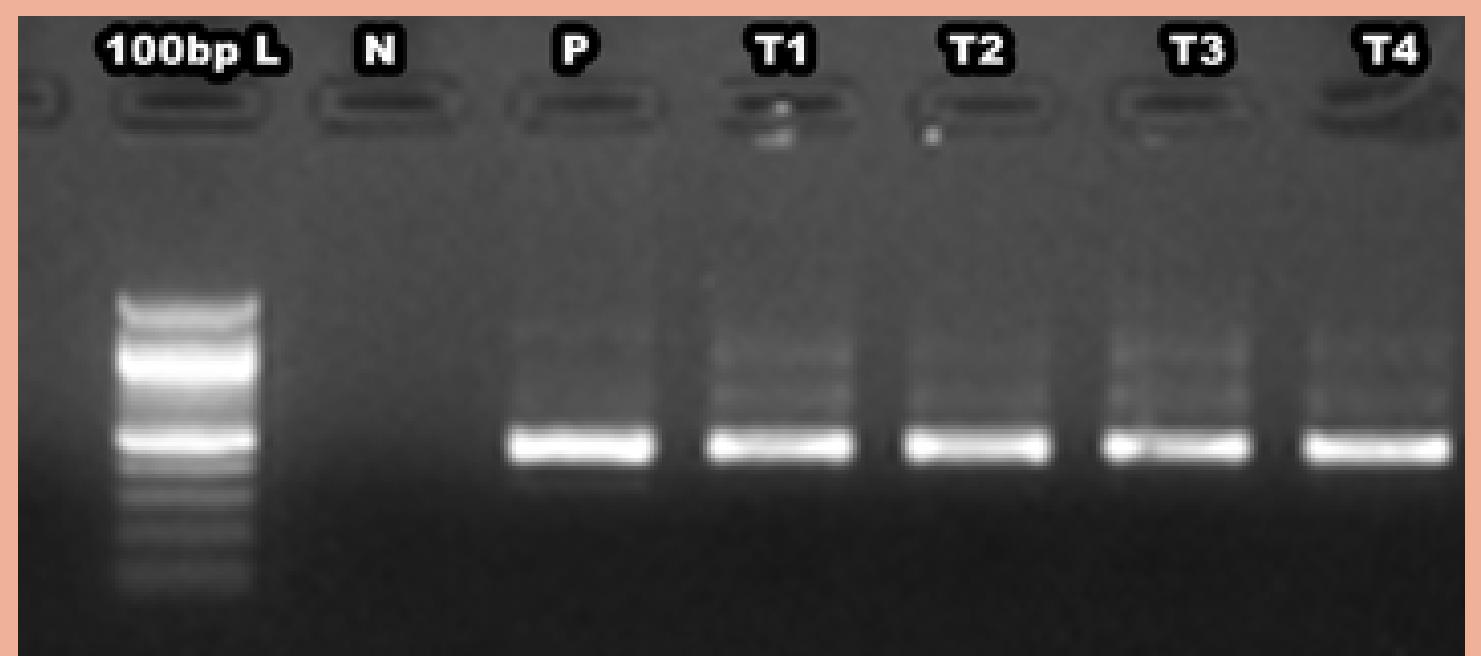


C. Avian Samples

### Agarose Gel Profile of genomic DNA from different samples



Competitor kit



XpressDNA stool kit

### PCR amplification of genomic DNA extracted using XpressDNA Stool Kit from different samples using V3-V4 primer (490bp)