

**New UniFlex™ DNA Isolation Kit**

**Description:** The ability to prepare and isolate pure nucleic acids from a variety of sources is an important step in many molecular biology protocols. The UniFlex™ DNA Isolation Kit provides a single solution for a simple, fast, reliable, reproducible and convenient extraction of high amount of pure genomic DNA from various samples (bacterial, fungal, plant, animal tissue, mammalian tissue). The kit uses specialized lysis solution and precipitation solution for purifying the DNA thus obtained.

The kit provides sufficient reagents for 100 isolations.

Sample	Starting Material (amount)	Yield (µg)
Plant leaves	100 mg	20-30
Green Gram Seeds	100 mg	15-20
Saliva	100 µl	2-3
Faecal pellet	100 mg	5-6
Urine	0.2 ml	~1
Mouse Tissue	100 mg	10-30
Semen	0.2 ml	3-5
Bacterial	1 ml	20-30
Fungal Pellet	100 mg	20-30
Blood	0.2 ml	8-10
Algae	0.2 ml	5-7

**Highlights:**

- Two step, effective and simple protocol for DNA isolation from wide variety of organisms and tissues
- Only solution based which gives a very high recovery. Does not involve columns or beads.
- Can be easily scaled up to isolate DNA from larger amounts of tissues.
- Purified DNA is of high quality and ready for down processing like restriction analysis, PCR analysis, Fingerprinting and sequencing as well.

**Materials Provided:**

1. UniFlex™ Buffer A
2. UniFlex™ Buffer B
3. Instruction Manual

**Storage:** Store all the solutions at 4°C

**Ordering Information:**

Product	Size	Cat #
UniFlex™ DNA Isolation Kit (100 Preparations)	1 Pack	117745



Figure: DNA Isolation using UniFlex™ DNA Isolation kit with different samples

- Lane 1 : 500bp ladder
- Lane 2 : Genomic DNA isolated from *E.coli*
- Lane 3 : Genomic DNA isolated from *S.cerevisiae*
- Lane 4 : Genomic DNA isolated from cotton
- Lane 5 : Genomic DNA isolated from shrimp
- Lane 6 : Genomic DNA isolated from human blood

**PCR KlenZol™**

For Details Refer Page No. C47