HighPrep™ FFPE Tissue DNA Kit

More efficient, faster, safer isolation from paraffin-embedded tissues samples

Quick No Xylene Treatment - Low Sample Input - High Quality DNA

Description

HighPrep FFPE Tissue DNA Isolation Kit is special formulated for purifying DNA from formalin-fixed, paraffin-embedded (FFPE) tissue sections. Unlike the traditional method for removing the wax by using xylene, a highly flammable and toxic organic solvent, HighPrep FFPE Tissue DNA Kit uses a proprietary deparaffinization reagent for safe and convenient paraffin removal while eliminating the needs of centrifugation or changing tubes. Combined with optimized lysis condition and our high performance magnetic particles, it is amenable to isolate high quality DNA either by manual processing or high throughput robotic automation.

Overall Benefits

- **No xylene/organic solvent treatment required**
- Faster than solvent wax removal methods
- Proprietary deparaffinization buffer (safer)
- High quality DNA
- No centrifugation/filtration steps
- Scalable - can be adapted to most standard liquid handling robots

Downstream Applications

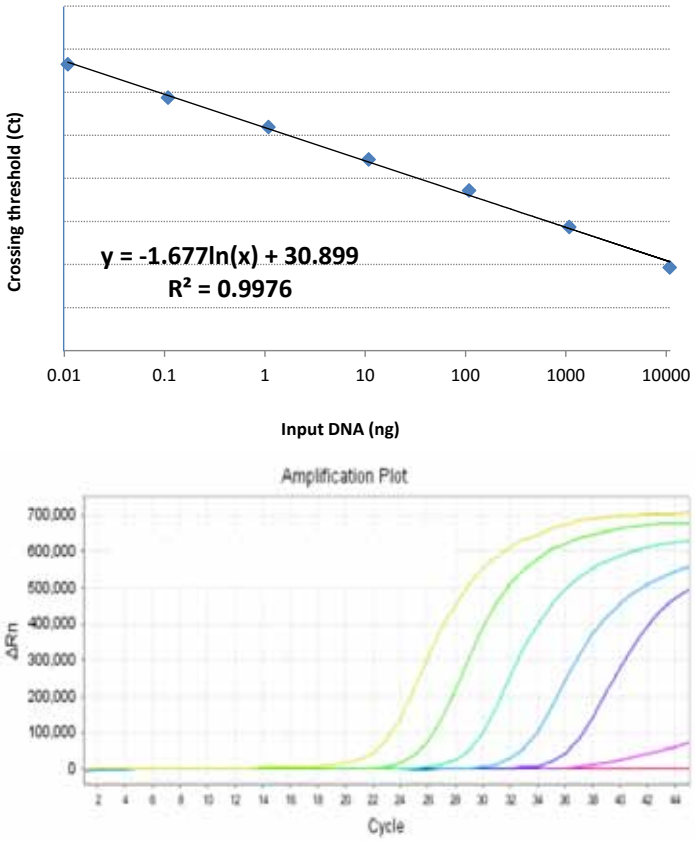
- Real-time PCR
- SNP genotyping
- Sequencing
- Other genetic analysis methods

DNA Yield and Purity

	DNA Yield	DNA Purity	
Sample ID	(µg DNA)	A260/280	A260/230
1	18.10	1.89	1.87
2	18.20	1.89	1.84
3	17.90	1.86	1.78
4	18.20	1.81	1.90
Average	**18.10**	**1.86**	**1.85**

Summary of DNA yield and purity for FFPE tissue samples using Magbio's HighPrep FFPE Tissue DNA Kit.

DNA Quality



Ct values of recovered DNA using the HighPrep FFPE Tissue DNA Kit for FFPE DNA purification. A 10-fold dilution series of the recovered DNA was used in a SYBR Green-based real-time PCR reaction targeting am 80-bp fragment of the human ribosomal protein gene RPL13a. Each reaction was performed in triplicate. The input DNA amount were 100, 10, 1, 0.1 and 0.01 ng.

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