

Ten Minute DNA Release Kit -1(10 minute tissue DNA Kit) (Cat# JZ-001)

Description

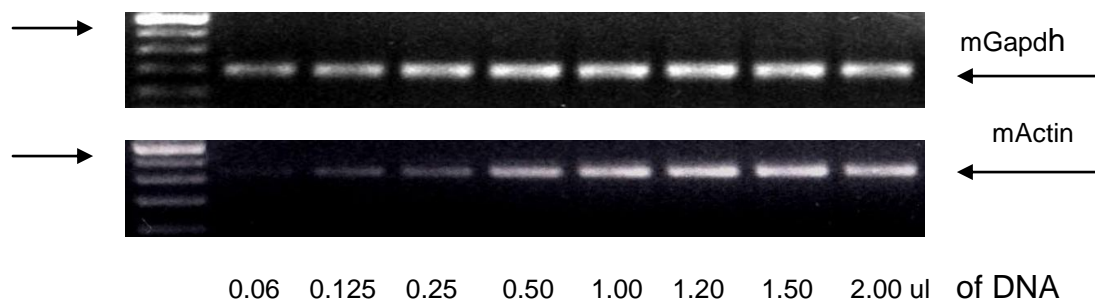
DNA kit-1 is designed to obtain the DNA extract from mice tail or any tissue* for PCR within 10 minutes. And it works not only at a wide range,

but also works with good expression in PCR reactions (Fig, below).

The kit provides an easy, quick and reliable approach to have the desired DNA for PCR within 10 minutes for the genotyping on

transgenic mice, and to have the any tissue DNA extract for PCR easily.

mGapdh and mActin expression on the DNA volume-dependent effective with the DNA Extract from mice tail




Work Tools

- Thermo-machine or water bath which can be set up the temperature to be 90- 95° C;
- Eppendorff Centrifuge; Speed setting up 10,000-13000 rpm
- 1.5ml eppendorf tubes, tips, and micro pipette with 10-200ul scale.

Content table

Catalog Number	DNA Release Buffer		Working for	Storage & Effective Working	Order Price
	Name	Volume			
JZ-001	Kit1-B1	15ml	100 samples	To be kept at 5-29°C. Work well for 1 year from open day.	\$68.16/Kit
	Kit1-B2	1.3ml			

Kit-1 Protocol Table

Step	Action	Example
1	1-6mm Mouse tail or any tissue 1-20mg in a tube with 150ul of Kit1-B1, cap & heat the tube in 95±5°C, not shaking, for 10min. ((for15 min. if samples were from the older mice).	
2	Add Kit1-B2 13ul to the tube, flick it 4-6 times (The tissue is still in the buffer, but the DNA have been released in the buffer).	
3	Centrifuge the tube at 10,000rpm in RT for 2-3 minutes;	
4	Transfer the supernatant 130-150ul , that are ready DNA extract, to a fresh tube;	
5	Using now, Take 1-3ul for 20-25ul PCR reaction;	
6	To be kept at -20°C for a long time using.	
Note	<ul style="list-style-type: none">• If you are the first use this kit , try 1-3 ul DNA extract in 20-25 ul volume PCR reaction to try a desire result, please.• If you like to use the mice tail or any tissue to have the pure DNA extract. To try the “30 Minutes Pure DNA Kit (JZ-002) www.jacksunbio.com) to obtain the pure DNA within 30 minutes. The purified DNA can be used in PCR, Southern blot, DNA Methylation. Gene Chip and DNA Arrays etc.	

Reference: 1. Zhu, HJ et al: Ten Minute DNA Kits – A Novel Approach to Obtain DNA Easily in Modern Biological Science. Nature and Science 4(2): 58-70, 2006.
2. Lee TY et al.; Phylogenetic analysis by RFLP and sequencing of mitochondrial DNA in a Korean Popukation. Arch Oharm Res.,2006 Jan; 29(1) :88-95.
3. Ren S et al. ;A Simplified Method to Prepare PCR Template DNA for Screening of Transgenic and knockout Mice. Contemp Top Lab Anim Sci.2001: 40(2): 27-30.