Animal sample direct PCR kit

Item No.: HRP005 100 times
NRP005M 200 times

Kit composition	Save	100 times	200 times
Solution A	Room temperature	10 ml	20 ml
Solution B	Room temperature	25 ml	50 ml
Solution AB	-20℃	2 ml	4 ml
2× PCR mix	-20℃	1 ml	2 ml
ddH_2O	-20℃	1 ml	2 ml

Product description:

The principle of this product is to directly use the crude DNA extract of animal samples for PCR, without the need for DNA extraction and purification of animal samples, which greatly reduces the time of the experiment and reduces the toxic hazards of animal DNA extraction. Animal samples do not need to be crushed by liquid nitrogen or other methods, just cut the sample to a size of 1-2 mg, lyse in solution A, add solution B after lysis, and it can be directly used as a template for PCR amplification. The whole process is simple Fast, short time, almost no harm to operators.

Features:

1. No need to use toxic phenol, chloroform and other toxic reagents.
2. Fast and simple, the crude DNA extract can be obtained in 20 minutes from the tissue sample.

Precautions:

Users need to prepare their own upstream and downstream primers.

Operation steps: (Please read the precautions before the experiment)

1. Take 1-2 mg of tissue sample, put it in a centrifuge tube, add 100 μl solution A and 20 μl solution AC to mix, immerse all the samples in the solution, and incubate at room temperature for 15 min
2. Add 250 μl solution B and mix well. Take 5 μl as a template for PCR amplification.

PCR system preparation:

Component	20 μl	Final Conc.
2× PCR mix	10 μl	1×
Forward Primer（10 μM）	1-2.5 μl	400-800 nM
Reverse Primer（10 μM）	1-2.5 μl	400-800 nM
Template	5 μl	pg-HRP

ddH_2O	Up to 20 µl

PCR reaction conditions:

No. of Cycles	Temperature	Time	Step
1	95℃	2-5 min	Initial denaturation
30-35	95℃	30 sec	Denaturation
	50-65℃	30 sec	AnnealiHRP
	72℃	1-2 kb/1 min	Extension
1	72℃	10 min	Extension