

Important Note

The kit contains alkaline reagents.
Please handle it with care: wear gloves and goggles...

Sample Preparation



1. Transfer the sample in a microtube.

Sample	Amount
Mouse tail	5 mm (~10 mg)
Blood	1-3 μ L
Seed	1-2
Leaf	Piece of 2-3 mm

Lysis



2. Add 100 μ L of Reagent A.
3. Incubate for 10 min at 98°C.

Recovery



4. Add 14 μ L of Reagent B.

→ The recovered genomic DNA can be used directly in (q)PCR or stored at -20°C for long term storage.

PCR Setup

For a subsequent PCR reaction please use:
1 μ L of extracted solution from blood, leaves or seeds
1-5 μ L of extracted solution from mouse tail

The SmartExtract DNA Kit is optimized to perform in a single tube an easy, fast and effective extraction of (q)PCR-ready genomic DNA from almost any crude sample type (e.g. blood, human & animal tissues, plant seeds & leaves...)

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Kit components (100 preps)

Component	Amount
Reagent A (Blue Cap)	5 x 2 mL
Reagent B (Yellow Cap)	2 x 700 μ L

Material not supplied

- Sterile microtubes
- 10/100/1000 μ L tips
- Microcentrifuge
- Thermocycler

Shipping & Storage conditions

The SmartExtract DNA Kit is shipped at room temperature. The Kit is stable for 24 months if stored protected from light in a dry environment at room temperature (15°C-25°C).

Troubleshooting

No or low yield

Please adjust the sample amount.

In case of poor PCR results, dilution of the extracted sample can improve subsequent amplifications.

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