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SDS

Thermo Scientific™

Phire Animal Tissue Direct PCR Kit (without sampling tools)

Thermo Scientific Phire Animal Tissue Direct PCR Kit has been developed for amplification of DNA directly from a wide variety of animal tissues including mice, fish, birds and insects.

Have Questions? [Contact Us](#)

Catalog Number	Quantity
F140WH	500 reactions

Catalog number F140WH

Price (MDL)
-

[Contact Us](#)



Thermo Scientific Phire Animal Tissue Direct PCR Kit has been developed for amplification of DNA directly from a wide variety of animal tissues including mice, fish, birds, and insects. The kit contains all the necessary components for amplification of DNA directly from animal tissues: optimized PCR reagents, dilution buffer, and DNARelease additive, which can be used to improve the release of DNA from animal tissues. In addition, the kit includes control primers for positive control reactions that are universal and work with numerous animal species.

Features

- No need for time-consuming and expensive DNA purification steps
- Very little sample material required
- Two simple protocols for various applications
- Phire Hot Start II DNA Polymerase provides high yields of specific product with short extension time (20 s/kb).

Notes

- A detailed manual is provided that describes protocols when working with different types of tissues.
- The optimal annealing temperature for Phire DNA Polymerase may differ significantly from that of *Taq*-based polymerases.

For Research Use Only. Not for use in diagnostic procedures.

Specifications

Hot Start	Built-In Hot Start
No. of Reactions	500 reactions
Overhang	Blunt
Polymerase	Phire Hot Start II DNA Polymerase
Product Type	Direct PCR Kit
Quantity	500 reactions
Reaction Format	Separate Components
Sample Type	Tissue
Shipping Condition	Wet or Dry Ice
Starting Material	DNA
GC-Rich PCR Performance	Medium
PCR Method	Direct PCR

Contents & Storage

- Phire Hot Start II DNA Polymerase, 200 µL
- 2X Phire Animal Tissue PCR Buffer, 5 x 1.25 mL
- Control Primer Mix (25 µM each), 40 µL
- Dilution Buffer, 2 x 5 mL
- DNARelease Additive, 3 x 100 µL
- Gel Loading Dye, 3 x 1 mL

Store at -20°C.



Have questions about this product? Ask our AI assisted search.

🔍 Ask a question about this product.

Do the Direct PCR Master Mixes and Kits come with tissue punchers?

What is the concentration of the gel loading dye provided with the Phire Animal Tissue Direct PCR Kit (Cat. No. F140WH)?

Do the Direct PCR Master Mixes work in Dilution & Storage protocol?

I am testing your Direct PCR protocol using mouse tissue as sample material. I cannot see a PCR product in the agarose gel, but there is a big block of DNA stuck in the wells. What can I do?

After performing Direct PCR, how should I store the PCR products amplified directly from the sample?

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Frequently asked questions (FAQs)

at is your recommendation to take a sample from plant or animal tissue for Direct PCR?

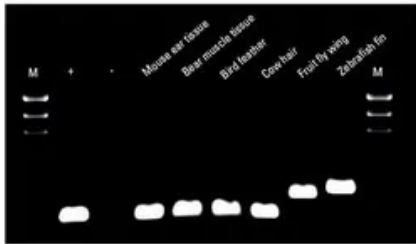


Can I use plant or tissue sample which is not on the list of the Direct PCR Master Mix and Kit tested samples? ▼

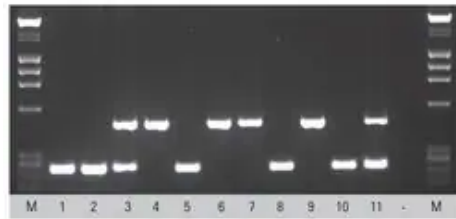
Can you amplify the same sample materials with the Direct PCR Master Mixes as with Direct PCR Kits? ▼

[View all Phire Animal Tissue Direct PCR Kit \(without sampling tools\) FAQs >](#)

Figures



Direct PCR from various animal tissues



Genotyping F2 transgenic mice

Documents & Downloads

Certificates

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Lot #	Certificate Type	Date	Catalog Number(s)
3504741	Certificate of Analysis	Jun 10, 2026	F140WH
3483604	Certificate of Analysis	May 08, 2026	F140WH
3483567	Certificate of Analysis	May 08, 2026	F140WH
3455883	Certificate of Analysis	Mar 27, 2026	F140WH

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Safety Data Sheets

[SDS](#)

Scientific Resources

Brochures



- [Brochure: Thermo Scientific Direct PCR](#)
- [Phire Tissue Direct PCR Master Mix and Kit—sample size recommendations](#)
- [Phire Animal Tissue Direct PCR Master Mix—recommended control primer sequences for Drosophila and zebrafish](#)
- [Phire Tissue Direct PCR Master Mix and Kit—species and sample types tested](#)

Application Notes



- [Application Note: Phire Animal Tissue Direct PCR Kit—Genotyping Transgenic Mice](#)
- [Application Note: Direct PCR on Hair—A New Animal-Friendly Genotyping Method](#)

Reference Materials



- [LabAid: Direct PCR solutions](#)

Product Information

Manuals



- [User Guide: Thermo Scientific Phire Animal Tissue Direct PCR Kit](#)

