

PRODUCT INFORMATION

Thermo Scientific Phire Reaction Buffer

#F__

Lot: _

Ordering information

Component	#F-524S	#F-524L
5X Phire Reaction Buffer	2 x 1.5 ml	4 x 1.5 ml
50 mM MgCl ₂	1.5 ml	2 x 1.5 ml
100% DMSO	0.5 ml	0.5 ml

Store at -20°C



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Description

5X Thermo Scientific Phire Reaction Buffer is a buffer solution optimized for DNA amplification using Phire Hot Start DNA polymerases. The buffer contains 7.5 mM MgCl₂ which provides 1.5 mM MgCl₂ in the final reaction conditions.

Functional test

Tested in PCR by amplifying two different amplicons (500-bp and 7.5-kb) from human genomic DNA and a 1.3-kb amplicon from bacteriophage lambda DNA using Phire Hot Start DNA Polymerase.

Important Notes

- Repeated freezing and thawing of the buffer can result in the precipitation or accumulation of MgCl₂ in insoluble form. For consistent results heat the buffer to 90°C for 10 min and vortex prior to use if needed or store refrigerated.
- The freezing point of DMSO is 18-19°C, so it does not melt on ice.

Technical support

US: techservice.genomics@thermofisher.com

Europe, Asia, Rest of World:

techservice.emea.genomics@thermofisher.com

Web: www.thermoscientific.com/pcr

PRODUCT USE LIMITATION

This product has been developed and is sold exclusively for research purposes and in vitro use only. This product has not been tested for use in diagnostics or drug development, nor are they suitable for administration to humans or animals.

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