



PRODUCT INFORMATION

**Thermo Scientific**

**Phire Reaction Buffer, Detergent-free**

Pub. No. MAN0013374

Rev. Date 21 November 2016 (Rev. B.00)

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Lot \_                      Expiry Date \_

**Store at -20 °C**

**Ordering information**

Component	#F-525L
5X Phire Reaction Buffer, Detergent-free	4 × 1.5 mL
50 mM MgCl <sub>2</sub>	2 × 1.5 mL
100% DMSO	0.5 mL

[www.thermofisher.com](http://www.thermofisher.com)

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

**Description**

Thermo Scientific™ Phire™ Reaction Buffer is a 5X buffer solution optimized for DNA amplification using Phire Hot Start II DNA polymerase. The buffer contains 7.5 mM MgCl<sub>2</sub> which provides 1.5 mM MgCl<sub>2</sub> in the final reaction conditions.

**Important Notes**

- Repeated freezing and thawing of the buffer can result in the precipitation or accumulation of MgCl<sub>2</sub> 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.

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