

PRODUCT INFORMATION

**Thermo Scientific
DyNAzyme Buffer, Mg²⁺-free**

__

Lot: _

Ordering information

Component	#F-510S	#F-510L
10X DyNAzyme Buffer, Mg ²⁺ -free	2 x 1.5 ml	4 x 1.5 ml
50 mM MgCl ₂	1 x 1.5 ml	2 x 1.5 ml

Store at -20°C



www.thermoscientific.com/pcr

Description

10X Thermo Scientific DyNAzyme Buffer without added MgCl₂ should be diluted 1:10 in the final PCR mix. 1X Mg²⁺-free buffer contains 10 mM Tris-HCl (pH 8.8 at 25°C), 50 mM KCl, 0.1% Triton X-100. The optimal magnesium chloride concentration will depend on the dNTP concentration, the specific template DNA and the sample buffer composition. In order to obtain desired Mg²⁺ concentration, add the following volumes of 50 mM MgCl₂ to a 100 µl total volume:

Desired Mg ²⁺ concentration	Volume of 50 mM MgCl ₂ in 100 µl total volume
0.5 mM	1 µl
1.0 mM	2 µl
1.5 mM	3 µl
2.0 mM	4 µl
2.5 mM	5 µl
3.0 mM	6 µl
3.5 mM	7 µl
4.0 mM	8 µl
4.5 mM	9 µl
5.0 mM	10 µl

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. © 2012 Thermo Fisher Scientific, Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries.