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DMSO-PCR 级

Dimethyl Sulfoxide Solution-PCR Grade

● 产品货号及规格:

货号	名称	规格	贮存
RTE3102-02	DMSO 溶液 PCR 级	5×1 ml	-20℃

● 产品简介:

Betaine, DMSO and formamide helps in reducing the secondary structure of GC rich templates and assists amplification of these templates. Betaine is used at 3.5 M to 0.1 M, DMSO should be used between 2-8%, however 10% DMSO can reduce Taq polymerase activity by up to 50%. Formamide is generally used at 1-5%. It has been our experience that the use of DMSO in combination with betaine is superior to using formamide.

● 贮存、效期及运输:

-20℃贮存；有效期二年；湿冰运输

● 使用说明:

1. -20℃保存的 DMSO 常温溶化，混匀。
2. 根据根据 PCR 反应体系，加入适量体积的 DMSO 溶液。

	20 µl 体系	反应体系终浓度
10×PCR Buffer	2 µl	1×
DMSO*	0.4-1.6 µl	2-8%
模板	0.05-0.5µg	as you wish
上游引物 10µM	0.5 µl	0.2 µM
下游引物 10µM	0.5 µl	0.2 µM
dNTP 10mM	0.5 µl	200 µM
Taq	0.5-1 µl	2.5-5 U
灭菌水	up to 20 µl	

注*：不同模板，不同片段的扩增可能需要不同浓度的 DMSO，可以适当调节加入体积，找到适合自己反应的浓度。

● References:

Frackman, S., Kobs, G., Simpson, D. and Storts, D. 1998. Betaine and DMSO: enhancing agents for PCR. *Promega Notes* 65: 27.