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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 3.5M to 0.1M, 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: -20℃贮存。有效期二年。

● 使用说明:

1. -20℃保存的 DMSO 常温融化，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甜菜碱浓度。

● References:

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