

## KBB GEL, 0.5X KBB

KBB Gel, pH 8.7 (“.5-15kb” and “1-50kb”)

**Note:** 10X KBB buffer can be purchased from Sage Science, Part No. **KBB1001**.

	10X buffer g/liter	0.5X KBB running buffer (mM)	
Tris (base)	124	51.18	<b>0.5X KBB Buffer</b>
TAPS (free acid)	140.16	28.806	
EDTA (free acid)	0.48	0.082	
Lonza			
SeaKem® GOLD	7.5 g	0.75 g	<b>0.75% Agarose</b>
dH2O	950 ml	95 ml	
10X KBB buffer	50 ml	5 ml	
Total=	1 L	100 ml	

## TBE GEL, 0.5X TBE

TBE Gel, pH 8.0 (“3-70kb” )

	10X buffer	0.5X TBE running buffer (mM)	
Tris (base)	108 g	44.5	<b>0.5X TBE Buffer</b>
Boric Acid	55 g	44.5	
0.5M EDTA	40 ml	1	
Total=	1 L		
Lonza			
SeaKem® GOLD	10 g	1 g	<b>1% Agarose</b>
dH2O	950 ml	95 ml	
10X KBB buffer	50 ml	5 ml	
Total=	1 L	100 ml	