

Tang's magic PCR Buffer (10X)

100 mM KCl
100 mM $(\text{NH}_4)_2\text{SO}_4$
200 mM Tris-HCl pH8.3 (try pH9 if pH8.3 doesn't work)
20 mM MgCl_2
1% Triton X-100

The stock solutions must be autoclaved before hand except for $(\text{NH}_4)_2\text{SO}_4$ that must be filtered (also I usually prepare and autoclave the 1M MgCl_2 separately), and Triton X-100 (no sterilization needed):

for 100ml:

10 ml 1M KCl
10 ml 1M $(\text{NH}_4)_2\text{SO}_4$
20 ml 1M Tris-HCl pH8.3
2 ml 1M MgCl_2
1 ml Triton X-100