PCR AMPLIFICATION OF PHAGE STOCKS

1. Set up reactions in 0.5 ml tubes:
   0.2 μg primers
   5 μl **10 x SM PCR buffer**
   5 μl phage stock
   1 μl 10mM dNTPs
   0.5 units Taq polymerase
   up to 50 μl with dH_2O

2. Cover reactions with 50 μl mineral oil.

3. Amplify

1 cycle	95°C 1′	55°C 15 sec	72°C 3′
35 cycles	95°C 15 sec	55°C 15 sec	72°C 3′
1 cycle	95°C 15 sec	55°C 15 sec	72°C 6′

4. Extract oil with 50 μl chloroform.

5. Load 2 μl of reaction on gel to check.

10 x SM PCR
40 mM KCl
10 mM Tris pH8.8
0.1% triton