ChIP DNA End Repair

1. Fill out polishing mix table. **X** = (1.1) x number of ChIP samples

Polish mix	**1x (ul)**	**[Final]**
ddH_2O	24	1x
10x NEBuffer 2	3.0	1x
3 mM dNTPs	1.5	150 uM
3 U/ul T4 DNA polymerase	0.5	1.5 U
10 U/ul T4 PNK	1	1.5 U
Total reaction volume	(30)	

We've tested 0.5 and 1 ul of DNA pol, and both work equally fine.

2. Make **Polish mix** in 1.5 ml tube. Vortex to mix.

3. Transfer 30 ul of **Polish mix** to each sample (*contains 23.5 ul of bead slurry*), and mix gently up and down upon transfer. *Cap tubes and change pipet tip between samples.*

4. In the thermomixer, incubate samples for 20 min @ **12˚C.**

5. Place tubes against magnet for 1 min., remove caps keeping them in order, draw off supernate.

1. Remove from magnet, and immediately add **Kinase mix**