# ChIP DNA TruSeq Adapter Ligation

1. Fill out **Master Ligation mix** table. **X** = (1.1) x number of ChiP samples

| ***Master Ligation mix (make on ice)*** | ***1x (ul)*** | ***[Final]*** |
|---|---|---|
| $ddH_2O$ | 15 | |
| (*Enzymatic*) 10x T4 DNA ligase buffer | 2 | 1x |
| (*Enzymatic*) 600 U/ul T4 DNA Ligase | 1 | 600 U |
| 2mM TruSeq Fork Adapter | 2 | 200 uM |
| *Total reaction volume* | (20) | |

2. Make **Master ligation mix** in 1.5 ml tube (or 15 ml tube if needed). Vortex to mix.

3. Transfer 20 ul of **Master ligation mix** to each ChIP samples.

4. In the thermomixer, incubate samples for 2 hrs @ **25˚C.**

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