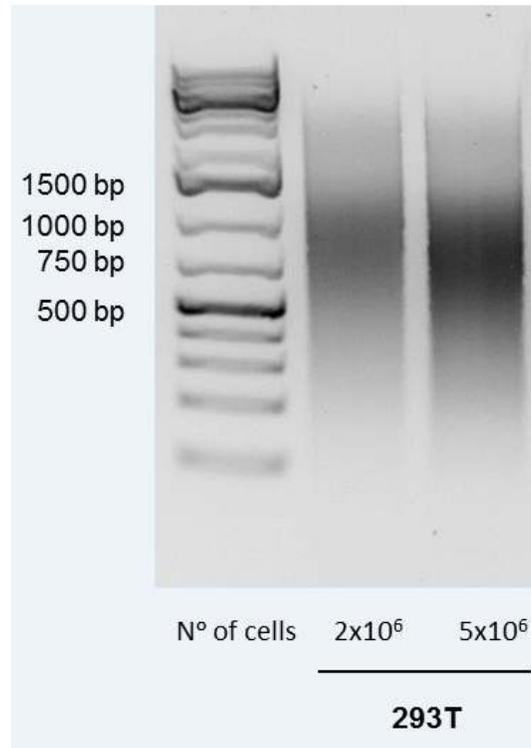


293T Chromatin Prep

Example protocols and results are based on customer feedback.



Protocol:

Cell Type: 293T

Sample Lysis Solution: 50 mM Tris-HCl pH 8, 10 mM EDTA, 1% SDS, protease inhibitor cocktail Set I (Calbiochem)

Sample Details: Normally we use 20 million cells per ChIP. During the sonication we divide the pellet in 6 tubes with a final volume of 200 or 300µL of Lysis buffer

Total Sample volume: 200-300ul

Fixation Time: 1% Formaldehyde, 10 min

Sonicator Amplitude Setting: 30%

Sonication Pulse Rate: 30 seconds On, 30 seconds Off

Total Sonication On Time: 15 min.

Sample Process Temperature: 4°C; Sonicator is set up in a 4°C Cold Room.

Customer Notes:

- Once you set up your protocol follow it step by step.
- Use same number of cells, lysis buffer and final volume.
- Samples processed using 1.5ml polystyrene tubes (Evergreen).
- System works better than Sonicator tips and chiller is better than competitor's unit.
- Also uses Qsonica system for Neonatal rat ventricular myocytes (NRVMs), HeLa, C2C12 and 3T3 cell lines