Genomic DNA extraction from cells

Bao Thai

Abstract

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Protocol

Step 1.
Extract genomic DNA from cells with Quick Extract buffer (QE – Epibio #QE09050).

Step 2.
Remove media.

Step 3.
Trysinize cells.

Step 4.
Centrifuge at 16K x g for 2 minutes.

Step 5.
Wash with ice cold 1xPBS.

Step 6.
Centrifuge at 16K x g for 2 minutes.

Step 7.
Add 100ul QE / well (24-well plates, scale up for your plate size).

Step 8.
Let sit 5 minutes.

Step 9.
Transfer to PCR tubes, 100 uL each tube.

Step 10.
Vortex for 15sec, centrifuge to collect liquid in bottom.

Step 11.
Put PCR tubes in thermocycler: 20min at 65C, 20min at 95C, store at -20C.

Step 12.
Measure concentration with Nanodrop. Use QE buffer as blank.