PROTOCOL OF USING LUMI-SCINT FOR LUCIFERASE REPORTER ASSAY

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Cell Extract Preparation

1. Make 1X lysis buffer by diluting 5X lysis buffer with water after 24hrs of Txn.
2. Add 200ul for each well (12-well plate) and incubate cells @ RT 10min.
3. Collect the cell lysate in 1.5ml tube and spin down for 3min.
4. The supernatants (cell extracts) should be used immediately or transferred to a new tube and frozen @ -80^{o}C.

Luciferase Assay

1. Thaw constituted luciferase reagent (Don't thaw it @ temperature above 25^{o}C).
2. Add 50ul of the substrate and 10-20ul cell extract into a tube; mix them.
3. Place the tube into the chamber of machine and close the lid immediately.
4. Press the key "next" and then "start."
5. Read the number.

Set up the Program

1. Function 3
2. Delay time 5
3. Count time 10
4. Sample ID 1
5. Sample 1 and press Start/Stop.
6. Get its number.
7. Change sample and press "Next" and "Start/Stop."
8. Get another number.