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Protocol status: Working

ATP assay

PeerJ

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MATERIALS

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CellTiter-Glo(R) Luminescent Cell Viability, 10ml **Promega Catalog #G7570**

BEFORE START INSTRUCTIONS

The CellTiter-Glo® luminescent cell viability assay kit (Promega) was used to evaluate the intracellular ATP content.

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- 1 Cells were seeded in 96-well plates and allowed to grow for indicated time periods.

- 2 CellTiter-Glo reagent (50 μ l) was then added directly into each well and incubated for 10 min prior to reading the plate using an EnSpire® Multimode Plate Reader (PerkinElmer, Waltham, MA, USA).

This detected the luminescence generated by the luciferase-catalyzed reaction between luciferin and ATP.
- 3 The ATP content was then calculated by comparing the luminescence levels of cells with those of control samples, with the latter defined as 100%.

Assays were performed in triplicate at least twice.