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EXTERNAL LINK

https://doi.org/10.1371/journal.pone.0215072

THIS PROTOCOL ACCOMPANIES THE FOLLOWING PUBLICATION

ATP assay 👄

Sumi C, Matsuo Y, Kusunoki M, Shoji T, Uba T, Iwai T, Bono H, Hirota K (2019) Cancerous phenotypes associated with hypoxiainducible factors are not influenced by the volatile anesthetic isoflurane in renal cell carcinoma. PLoS ONE 14(4): e0215072. doi: 10.1371/journal.pone.0215072

MATERIALS

NAME CellTiter-Glo(R) Luminescent Cell Viability, 10ml CATALOG #

VENDOR

G7570 Promega

BEFORE STARTING

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

- Cells were seeded in 96-well plates and allowed to grow for indicated time periods.
- CellTiter-Glo reagent (50 µl) 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.

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.

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