Appendix A

Experimental Time Courses

Experimental Time Courses for Quantitative Real-Time RT-PCR

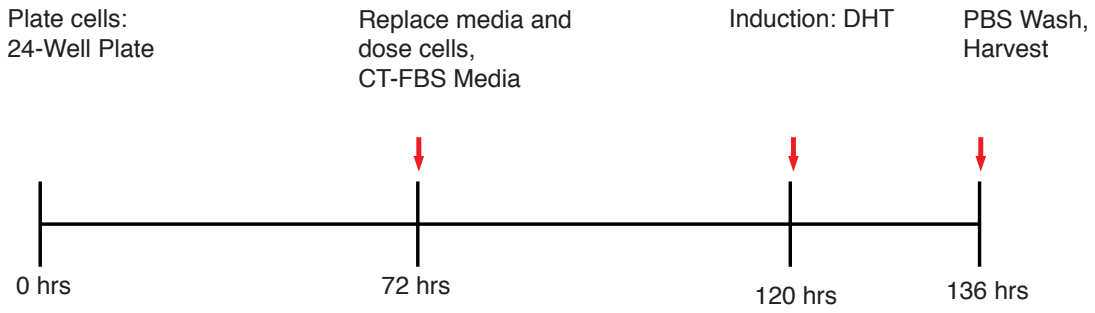
Provided here are schematic illustrations of the experimental time courses followed for quantitative real-time RT-PCR and cytotoxicity experiments in Chapters 2-4.

Quantitative Real-Time RT-PCR experiments

VEGF mRNA expression:

Plating density (Cell Line): 30-40K/mL, 0.5 mL (HeLa), 30-60K/mL, 0.5 mL/well (U251), 30-60K/mL, 0.5 mL/well (LNCaP)

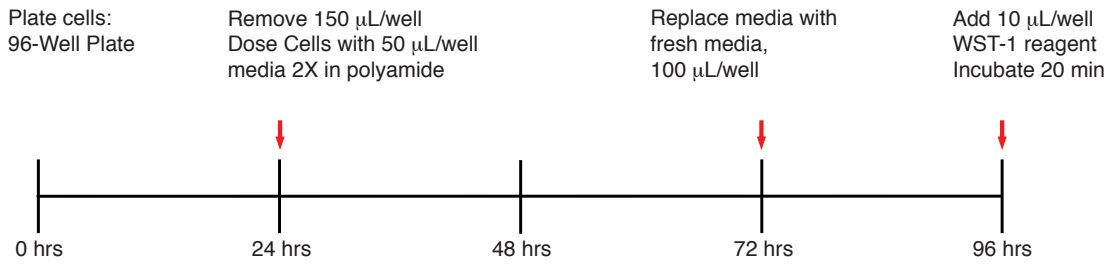
PSA mRNA expression:



Plating density for LNCaP cells: 30-60K/mL, 0.5 mL/well

Cytotoxicity and IC_{50} Measurements

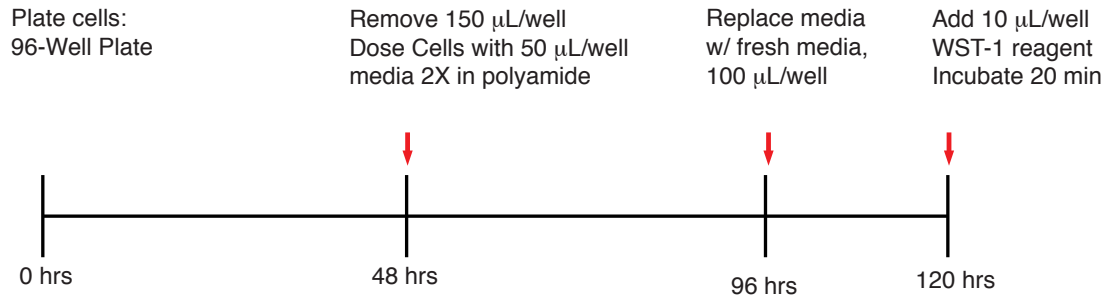
U251 cells:



Plating density in 96-well plates (Cell Density): 10-20K/mL, 0.2 mL/well (U251 cells)

No induction.

LNCaP Cells



Plating density in 96-well plates (Cell Density): 10-20K/mL, 0.2 mL/well (LNCaP cells), regular FBS (not CT-FBS), no induction. Replacement of media must be done slowly and carefully with LNCaP cells.