

## Miscellaneous AR TA Assays

Reference	Sonnenschein et al. (1989)	Takeo and Yamashita (2000)
<b>Characteristics of Cell Line</b>		
Name of cell line	LnCaP-FGC	EPC
Cell source	Human metastatic lymph node/prostatic adenocarcinoma	Carp skin tumor (epithelioma papulosum cyprini)
<b>Transfection of Cells with Plasmids</b>		
Stable or transient transfection	n.a.	reporter
AR expression vector	endogenous	pCMV-rtAR
AR source	human mutant AR	rainbow trout
Reporter vector	n.a.	pARE3TK-CAT
Endpoint measured	Cell proliferation	CAT activity
Plasmid transfected for cell toxicity	n.a.	none
Endpoint measured for cell toxicity	n.a.	n.a.
<b>Preparation of Cells for Assay</b>		
<i>Transient</i>		
Pregrowth of cells before transient transfection	n.a.	n.p.
Time from transient transfection to treatment of cells	n.a.	24 hours
<b>Transcriptional Activation Assay</b>		
Test substance solvent	n.p.	n.p.
No. of replicates	n.p.	n.p.
No. of times assay repeated	n.p.	3
Test substance incubation time	8 days	48 hours
<i>Agonism assay</i>		
Reference ligand	5 $\alpha$ -Dihydrotestosterone	n.a.
ligand	6 nM	n.a.
<i>Antagonism assay</i>		
Reference ligand	n.a.	n.a.
ligand	n.a.	n.a.

Abbreviations: n.a. = not applicable;  
n.p. = not provided