

## Ishikawa Cells

From: Duke/UNC/UTA/EBI ENCODE Group

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Source of cells: McDonnell lab (Duke University). Cells can be commercially obtained from Sigma (99040201-1VL). However, it should be noted that the original source of these cells (M. Nashide, Japan) that this line can spontaneously lose the progesterone and estrogen receptor. For details, see Nishida M., The Ishikawa cells from birth to the present. Hum Cell. 2002 Sep;15(3):104-17.

Lineage of cells: human endometrial adenocarcinoma

Donor information: 39 year old female

Karyotype: Unknown

Media and passaging conditions: Cells are passaged 1:5 every 4 days in DMEM-F12 + 8% FBS + 1mM NEAAs + 10mM Sodium pyruvate.

Serum starvation and treatment with estradiol/tamoxifen. All cells are cultured 72hrs in phenol-red free DMEM-F12 + 8% charcoal-stripped serum prior to hormone treatment. Cells treated with vehicle (ethanol), 10nM 17 $\beta$ -estradiol, or 100nM 4-OH Tamoxifen for 30 minutes.