

MCF7/S9 Cell Line

Catalogue number: 152602

Sub-type: Continuous

Images:

Contributor

Inventor: Anne Lykkesfeldt

Institute: Danish Cancer Society, Denmark

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: MCF7/S9 Cell Line

Alternate name: MCF-7/S9; S9

Class:

Conjugate:

Description: MCF-7/S9 cell line is an oestrogen-responsive (not oestrogen-dependent) breast cancer model. This model is derived from MCF-7, a human breast carcinoma line with epithelial like morphology. The MCF-7/S9 cell line was established to grow in serum free medium. Previous findings of the MCF-7/S9 cell line include antioestrogens, specifically tamoxifen, fulvestrant and acolbifene exert a significant direct growth-inhibitory effect. This model enables investigation of the effect of oestrogens and antioestrogens on tumour cell growth under conditions without influence of oestrogenic compounds supplied via the serum content in the growth medium.

Purpose:

Parental cell: MCF7

Organism: Human

Tissue: Breast

Model:

Gender: Female

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties: Grow in serum free medium. Estrogen and progesterone receptor positive.

Estrogen and antiestrogen responsive.

Production details: MCF7/S9 has been established by gradually adapting MCF7 cells to grow at a low serum concentration before transfer to serum-free medium. Since passage no. 387, the cell line has been propagated in phenol red-free DMEM/F12 (1:1) without addition of serum or any growth factor (standard medium for MCF7/S9), in T-flasks coated with collagen. The MCF7/S9 was subcultured once a week with a split ratio of approximately 1:10 and growth medium was changed every second or third day.

Formulation:

Recommended controls: MCF7 parental line

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target:

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application: Evaluation of antioestrogens inhibitory effects

Application notes:

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: Phenol-red-free DMEM/F12 medium supplemented with 2.0 mM Glutamax, 10 ug/ml Transferrin, 0.1 mg/ml bovine serum albumin, culture flasks were coated with collagen IV.

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Dry ice

Related tools

Related tools: MCF7/S0.5 Cell Line

References

References:

CancerTools.org