

EO771 | 305352

Description EO771 is a mouse strain derived from C57BL/6. It is a transgenic mouse model for the study of estrogen receptor (ER) signaling. EO771 mice express a transgene encoding the full-length human ER α (ER α) under the control of the mouse mammary-specific promoter, pMUS. The expression of ER α is restricted to the mammary gland. EO771 mice are used to study the role of ER α in mammary carcinogenesis and to evaluate the effects of endocrine-disrupting chemicals on ER α signaling.

Organism Mouse

Tissue Mammary gland

Disease Mammary carcinoma

Synonyms Eo771, E0771, E0771, EO 771

Breed/Subspecies C57BL/6

Gender Male

Morphology Mice

Growth properties Inbred

Citation EO771 (Mammary-specific expression of ER α in mice) 305352

Biosafety level 1

NCBI_TaxID 10090

CellosaurusAccession CVCL_GR23

E0771 | 305352

Receptors expressed ERalpha- ERbeta+ PR+ ErbB2+

Culture Medium DMEM 4.5 g/l Glucose 4 mM L-Glutamine 3.7 g/l NaHCO3 1.0 mM Sodium Pyruvate (82

Supplements 10% FBS 20 HEPES

Dissociation Reagent

Subculturing PBS

Seeding density 5 - 10 × 10

Fluid renewal 2 3


Freeze medium (FBS) + 10% DMSO

Thawing and Culturing Cells

1. 37
2. -150
3. 37
4. 70%
5. 15 8
6. 300 × 3
7. 10
- 8.

Product sheet

E0771 | 305352

Incubation Atmosphere 37 


Flask Coating 

Freezing Procedure -78

Shipping Conditions -78

Storage Conditions -150 -196 

/ / HLA

Sterility  (PCR) 
