

Immortalized Fancc (-/-) mouse ear fibroblast

2421 Fancc (-/-)

Description

Organism: *Mus musculus*

Tissue: Ear

Strain background: FA-C knockout mouse on a 129S4/SvJaeSor (MGI:3044540) co-isogenic background.

References

Fanconi anemia group A and C double-mutant mice:

Functional evidence for a multi-protein Fanconi anemia complex. Meenakshi Noll, et al., Experimental Hematology. 2002

Growth media

High glucose DMEM (Gibco, 10313-039) supplemented with 10% Fetal Bovine Serum (FBS, Hyclone Laboratories, SH30071.03) and 1% penicillin-streptomycin (Gibco #15140122). Add L-glutamine if it is missing from the DMEM (Gibco, GlutaMAX 35-050-061).

[Access free PDF version](#)

Quality Control Testing

- A terminal expansion sample was sent October 2021 to IDEXX BioAnalytics (Columbia, MO, USA) and authenticated using the Cell Check 19 Plus Mouse service as well as tested for *Mycoplasma* and interspecies contamination from human, rat, African green monkey and Chinese hamster.

Cell Line	Mycoplasma sp.	mouse	rat	Human	Chinese Hamster	African Green Monkey
2421	-	+	-	-	-	-

- A Mouse 19 species-specific **STR marker profile** has been established for this cell line and used for comparative analysis with available published profiles to confirm its unique identity. The genetic profile can be used for future comparisons of this cell line.

Datasheet version: 1/4/2022

Immortalized Fancc (-/-) mouse ear fibroblast

IDEXX Case #	32729-21-04
Cell Line ID	2421 Fancc (-/-)
MCA-1-1	10
MCA-1-2	13
MCA-2-1	9
MCA-3-2	14
MCA-4-2	18.3
MCA-5-5	13
MCA-6-4	17
MCA-6-7	12
MCA-7-1	28, 29
MCA-8-1	15.3
MCA-9-2	16
MCA-11-2	14
MCA-12-1	18
MCA-13-1	16.2
MCA-15-3	20.3
MCA-17-2	12
MCA-18-3	18
MCA-19-2	13
MCA-X-1	26

To submit a sample for STR profiling go to <https://www.idexbioanalytics.com/authenticate> to get a guide on Cell Line Authentication and <https://www.idexbioanalytics.com/cellcheck> to order. Request your sample be compared to “2421 Fancc (-/-) (IBA# 32729-21-04)”.

Datasheet version: 1/4/2022