

Immortalized wildtype mouse ear fibroblast

2408 Fanc (+/+)

Description

Organism: *Mus musculus*

Tissue: Ear

Strain background: FA wildtype control littermate to FA-A and FA-C KO mice (2403, 2421, & 2422) on a 129S4/SvJaeSor (MGI:3044540) co-isogenic background.

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).

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

[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
2408	-	+	-	-	-	-

- 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

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IDEXX Case #	32729-21-02
Cell Line ID	2408 Fanc (+/+)
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	15.2
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 “2408 Fanc (+/+) (IBA# 32729-21-02)”.

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