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To Whom It May Concern:

JM8.N4 ES cell line was screened by Impact I PCR:

IMPACT I tests for the following pathogens:

Mycoplasma sp.
Sendai virus
Mouse hepatitis virus
Pneumonia virus of mice
Minute virus of mice
Mouse parvovirus (MPV1, MPV2, MPV3)
Theiler's murine encephalomyelitis virus
Murine norovirus
Reovirus 3
Mouse rotavirus
Ectromelia virus
Lymphocytic choriomeningitis virus
Polyoma virus
Lactate dehydrogenase-elevating virus
Mouse adenovirus (MAD1, MAD2)
Mouse cytomegalovirus
K virus
Mouse thymic virus
Hantaan virus
EDIM
Mycoplasma pulmonis

This cell line tested negative for the pathogens listed above.

Sincerely,



Kristin Evans, DVM, MS, PhD, DAACLAM

Director of Vivarium Services, UC Davis Mouse Biology Program and KOMP repository