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C57BL/10 Mouse

National Cancer Institute

Source

National Cancer Institute. *C57BL/10 Mouse*. NCI Thesaurus. Code C37376.

Derived by Little (1921) from A Lathrop stocks and separated out before 1937. The C57BL/10 strain carries a Y chromosome of Asian Mus musculus origin and a LINE-1 element from Mus spretus, suggesting that up to 6.5% of the genome is Mus spretus in origin. Substrain C57BL/10 differs from other substrains at multiple loci, including H9, Igh2 and Lv, on chromosome 4 and has a high incidence of spontaneous mutations. The mouse model has a 30% spontaneous tumor formation in both sexes, these tumors are comprised mostly of lymphomas. The C57BL/10 strain exhibits good reproductive performance.