



As addressed by the *NIH Guidelines for Research Involving Recombinant DNA Molecules (NIH Guidelines)*, particular research with *E. coli* K-12 derivatives is exempt from the requirements of the *NIH Guidelines*.

Ancestral *E. coli* K-12

Strain Designation	Origin or Collection
58	Stanford strain
679	Stanford strain
WG1	Wisconsin strain

E. coli K-12 Derivatives

Strain Designation	Origin or Collection	Strain Designation	Origin or Collection
5K	Lab strain	JM83	Lab strain
58-161	Lab strain	JM101	Lab strain
AB284	Lab strain	MB408	Lab strain
AB311	Lab strain	P678	Lab strain
AG1	Lab strain	PA309	Lab strain
C600	Lab strain	SURE	Stratagene
Cavalli Hfr	Lab strain	TG1	Lab strain
DH1	Lab strain	W208	Lab strain
DH5 α	Lab strain	W945	Lab strain
DP50	Lab strain	W1485	Lab strain
EMG2	Lab strain	W3110	Lab strain
H1443	Lab strain	WA704	Lab strain
HB101	Lab strain	XL1-Blue	Stratagene
Hfr3000	Lab strain	XL0LR	Stratagene
Hfr 3000 X74	Lab strain	Y10	Lab strain
HMS 174	Novagen	YN2980	Lab strain
JC9387	Lab strain		

For additional strains and information regarding K-12 derivatives please go to the following websites:

<http://cgsc.biology.yale.edu/>

http://www.neb.com/nebecomm/tech_reference/restriction_enzymes/strain_phenotype.asp

NOTE: *E. coli* Laboratory Strains NOT Derived from K-12

The following *E. coli* laboratory strains are **not** derived from K-12 and therefore any research utilizing these strains is **not** exempt from the *NIH Guidelines*.

Strain Designation	Origin or Collection
B	Laboratory strain
B-3	Laboratory strain
BL21	Novagen
B/R	Laboratory strain
C	Laboratory strain
TOPP	Stratagene

Reference

Kuhnert, P., J. Nicolet, J. Frey. 1995. Rapid and accurate identification of *Escherichia coli* K-12 strains. *Applied and Environmental Microbiology*. 61:4135-4139.