

Studies on the relationship between DNA synthesis and cell division on *Escherichia coli*.

-- Rate of DNA synthesis during the division cycle of *Escherichia coli* B/r



Description:

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Chromosome replication and the division cycle of *Escherichia coli* Br

Genetic analysis of the cell division protein FtsI PBP3 : amino acid substitutions that impair septal localization of FtsI and recruitment of FtsN.

Regulation of Deoxyribonucleic Acid Replication and Cell Division in *Escherichia coli* B/r

Data from the four biological repeats were aggregated. Links to PubMed are also available for.

DNA replication and the division cycle in *Escherichia coli*

Control of cell morphogenesis in bacteria: two distinct ways to make a rod-shaped cell. Dynamics of RecA-mediated repair of replication-dependent DNA breaks. The time required to replicate the genome is also invariant despite there being a local impact of DSBR on the pattern of duplication of the genome as revealed by MFA.

General quantitative relations linking cell growth and the cell cycle in *Escherichia coli*

Cell division during inhibition of deoxyribonucleic acid synthesis in *Escherichia coli*. A computer program is described which simulates the growth and DNA replication processes in bacteria. Effects of multiple deletions of murein hydrolases on viability, septum cleavage, and sensitivity to large toxic molecules in *Escherichia coli*.

Rate of DNA synthesis during the division cycle of *Escherichia coli* B/r

Z-ring Structure and Constriction Dynamics in E.

Simulation of bacterial growth, cell division, and DNA synthesis

Estimated average length at division L d was defined as double the estimated average length at birth.

DNA synthesis during the division cycle of rapidly growing Escherichia coli Br

Ann Inst Pasteur Paris 1966 Apr; 110 4:465—486. In: Molineux I, Kohiyama M eds. This plasticity is achieved by the ability to initiate a new round of chromosomal DNA replication prior to completion of the previous round.

Control of Cell Division in Escherichia coli: Experiments with Thymine Starvation

RecG Directs DNA Synthesis during Double-Strand Break Repair.

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