

* Fts Z

→ Fts Z Protein Plays an important role in cell division.

→ Fts Z is homologous to tubulin.

→ Tubulin is the building-block of microtubules in eukaryotes.

→ The cellular concentration of Fts Z, regulate the frequency of division.

→ At the line of septum, imagination the Fts Z protein is transferred the cytoplasm to division site where it assemble into a ring that remains associated with the leading edge of the imagining septum until the separation is completed.

* There are four stages in bacterial growth.

i) Lag Phase → There is no increase in cell number.

→ It is a period of adaptation of cells to new environment.

→ There is no change in number but increase in mass.

ii) Log Phase or Exponential Phase →