

Manufacturing recombinant DNA molecules involves cutting a gene from its normal location, inserting it into a circular piece of DNA from a bacterial cell, and then transferring the circle of DNA to cells of another species. Which of the tools below is used to cut the gene from its normal location?

- restriction enzyme
- plasmid
- bacteriophage
- vector

A mouse which is genetically modified by scientists by replacing its existing gene with artificial piece of DNA, called as:

- Modified mouse
- Knock-out mouse
- Altered mouse
- Mutated gene

DMSO (dimethyl sulfoxide) is used as

- Gelling agent
- Alkylating agent
- Chelating agent
- Cryoprotectant