

# LIGATION

*Meaning: Ligation is the process of binding or joining two or more biological structures, such as DNA fragments or blood vessels, often used in molecular biology and surgical procedures.*

1. Ligation is a crucial technique in molecular biology for joining DNA fragments.
2. During surgery, ligation of blood vessels can help control bleeding effectively.
3. The process of ligation involves the use of specialized tools to create a secure connection.
4. In genetic engineering, ligation is often used to insert a gene of interest into a plasmid.
5. Understanding ligation is essential for researchers working with recombinant DNA technology.

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