

Biotechnology teaching kits play a vital role in strengthening science education in schools and colleges by converting theoretical concepts into hands-on learning experiences. These kits help students understand complex topics such as enzymes, DNA, microbes, and biochemical reactions through simple, safe, and structured experiments. By promoting curiosity, critical thinking, and practical skills, biotech teaching kits bridge the gap between textbooks and real laboratory practices, preparing students for higher education, research, and careers in life sciences while fostering innovation and scientific temper at an early stage.

| Sl No. | TEACHING KITS | KIT COMPONENTS | NO. OF EXP. | PRODUCT No. | PRICE (Rs) |
|--------|---|--|-------------|-------------|------------|
| 1 | CodonBiotech™ Bacterial DNA Extraction Teaching Kit | Codon Biotech Make Teaching Kits provide Rapid and high concentration of Bacterial genomic DNA extraction for further use. Here both bacterial culture and agarose gel material is provided. | 10 | CBKG101-10 | Rs. 3000/- |
| | | | 20 | CBKG101-20 | Rs. 5000/- |
| 2 | CodonBiotech™ Fungal DNA Extraction Teaching Kit | This kit helps in extraction of genomic DNA from Fungal cultures with out contamination of RNA. | 10 | CBKG102-10 | Rs. 4000/- |
| | | | 20 | CBKG102-20 | Rs. 7200/- |
| 3 | CodonBiotech™ Yeast DNA Extraction Teaching Kit | This kit is used for extraction of genomic DNA from Fungal cultures with out contamination of RNA | 10 | CBKG103-10 | Rs. 4000/- |

Codon Biotech Pvt. Ltd.

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| | | | 20 | CBKG103-20 | Rs. 7200/- |
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| 4 | CodonBiotech™ Plant DNA Extraction Teaching Kit | Codon Biotech Make Teaching Kits provide Rapid and high extraction of DNA extraction for further use by CTAB method and visualization on agarose gel. | 10 | CBKG104-10 | Rs. 4800/- |
| | | | 20 | CBKG104-20 | Rs. 7500/- |
| 5 | CodonBiotech™ Own Genomic DNA Extraction Teaching Kit | Codon Biotech Make Teaching Kits provides Human DNA isolation from Saliva in very few steps. | 10 | CBKG105-10 | Rs. 3000/- |
| | | | 20 | CBKG105-20 | Rs. 4900/- |
| 6 | CodonBiotech™ Bacterial Plasmid Isolation Teaching Kit | This Codon Biotech Make Teaching Kit provides extraction of Bacterial Plasmid DNA for further transformation experiments by phenol chloroform process. It also helps in visualization of DNA on Agarose gel. | 10 | CBKG106-10 | Rs. 3200/- |
| | | | 20 | CBKG106-20 | Rs. 5200/- |

| SI No. | TEACHING KITS | KIT COMPONENTS | NO. OF EXP. | PRODUCT No. | PRICE (Rs) |
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| 7 | CodonBiotech™ Bacterial RNA Extraction Teaching Kit | This Codon Biotech Make Teaching Kit provides extraction of Bacterial RNA sformation experiments by phenol chloroform process. It also helps in visualization of RNA on Agarose gel. | 10 | CBKG107-10 | Rs. 3200/- |
| | | | 20 | CBKG107-20 | Rs. 6000/- |
| 8 | CodonBiotech™ Agarose Gel Electrophoresis Teaching Kit | A DIY kit that allows students to perform agarose gel electrophoresis to separate and analyze DNA fragments. It provides hands-on experience with fundamental molecular biology techniques and visualization of nucleic acids. | 10 | CBG108-10 | Rs. 5600/- |
| | | | 20 | CBKG108-20 | Rs. 8500/- |
| 9 | CodonBiotech™ Southern Blotting Teaching Kit | A hands-on DIY kit that demonstrates the Southern blotting technique for detecting specific DNA sequences. | 10 20 | CBKG109-10 CBKG109-20 | Rs. 4500/- Rs. 8500/- |
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| 10 | CodonBiotech™ Restriction Digestion Teaching Kits | A hands-on DIY kit that demonstrates restriction enzyme digestion of DNA to study specific cutting patterns. It helps students understand gene mapping, molecular cloning, and basic concepts of DNA manipulation in biotechnology. | 10 | CBKG110-10 | Rs. 4800/- |
| | | | 20 | CBKG110-20 | Rs. 9000/- |
| 11 | CodonBiotech™ DNA Estimation Teaching Kit | A teaching kit that enables students to extract and estimate the amount of DNA from biological samples. | 10 | CBKG111-10 | Rs. 3000/- |
| | | | 20 | CBKG111-20 | Rs. 5000/- |
| 12 | CodonBiotech™ DNA Molecular Weight Determination Teaching Kit | A hands-on Teaching kit that demonstrates the process of determining the molecular weight of DNA isolated. | 10 | CBKG112-10 | Rs. 7500/- |
| | | | 20 | CBKG112-20 | Rs. 14000/- |
| 13 | CodonBiotech™ DNA Ligation Teaching Kit | A hands-on Teaching kit that demonstrates the process of joining DNA fragments using DNA ligase. It helps students understand key molecular biology techniques like gene cloning and recombinant DNA technology. | 10 | CBKG113-10 | Rs. 3800/- |
| | | | 20 | CBKG113-20 | Rs. 6500/- |
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| 14 | CodonBiotech™ Bacterial Transformation Teaching Kit | A teaching kit that allows students to perform bacterial transformation and observe the uptake of foreign DNA. It provides practical insight into genetic engineering, recombinant DNA technology, and microbial genetics. | 10 | CBKG114-10 | Rs. 4200/- |
| | | | 20 | CBKG114-20 | Rs. 8000/- |
| 15 | CodonBiotech™ Bacterial Conjugation Teaching Kit | A hands-on Teaching kit that demonstrates bacterial conjugation, showing how genetic material is transferred between bacteria. It helps students understand horizontal gene transfer, microbial genetics, and the basics of antibiotic resistance spread. | 10 | CBKG115-10 | Rs. 5000/- |
| | | | 20 | CBKG115-20 | Rs. 9500/- |
| 16 | CodonBiotech™ Viral Transduction Teaching Kit | A DIY kit that demonstrates viral transduction, illustrating how viruses transfer genetic material between bacteria. It provides hands-on understanding of gene transfer mechanisms and key concepts in molecular biology and virology. | 10 | CBKG116-10 | Rs. 5000/- |
| | | | 20 | CBKG116-20 | Rs. 9500/- |
| 17. | CodonBiotech™ DNA isolation from Blood Teaching Kit | hands-on DIY kit that allows students to isolate DNA from blood samples safely. It teaches fundamental molecular biology techniques and helps visualize DNA extraction and purification processes. | 10 | CBKG117-10 | Rs. 3600/- |
| | | | 20 | CBKG117-10 | Rs. 6500/- |

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| 18. | CodonBiotech™ Estimation of T _m value Teaching Kit A practical kit that helps students understand thermal properties and purity analysis through simple experiments. | | 10 | CBKG118-10 | Rs. 2200/- |
| | | | 20 | CBKG118-10 | Rs. 3900/- |
| 19. | CodonBiotech™ PCR Teaching kit. | A DIY kit that enables students to perform Polymerase Chain Reaction (PCR) to amplify specific DNA sequences. It provides practical experience in modern molecular biology techniques and demonstrates the principles of DNA replication and genetic analysis. | 10 | CBKG119-10 | Rs. 5000/- |
| 20. | CodonBiotech™ Northern Blotting Teaching Kit | A hands-on DIY kit that demonstrates Northern blotting for detecting specific RNA sequences. It helps students understand gene expression analysis and key molecular biology techniques in a practical, visual manner. | 10 | CBKG120-10 | Rs. 7500/- |
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| 26. | CodonBiotech™ AMES Test Teaching Kit | A DIY kit that allows students to perform the Ames test to detect mutagenic potential of chemicals. It teaches principles of genetic mutation, bacterial testing, and safety evaluation of environmental and industrial compounds. | 10 | CBKG126-10 | Rs. 6600/- |
| Sl No. | TEACHING KITS | KIT COMPONENTS | NO. OF EXP. | PRODUCT No. | PRICE (Rs) |
| 30 | CodonBiotech™ Mutation Detection and Analysis Teaching Kit | A practical kit for students to detect, analyze, and understand mutations in a safe and interactive way. | 05 | CBKG130-05 | Rs. 3500/- |
| | | | 10 | CBKG130-10 | Rs. 6800/- |

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