



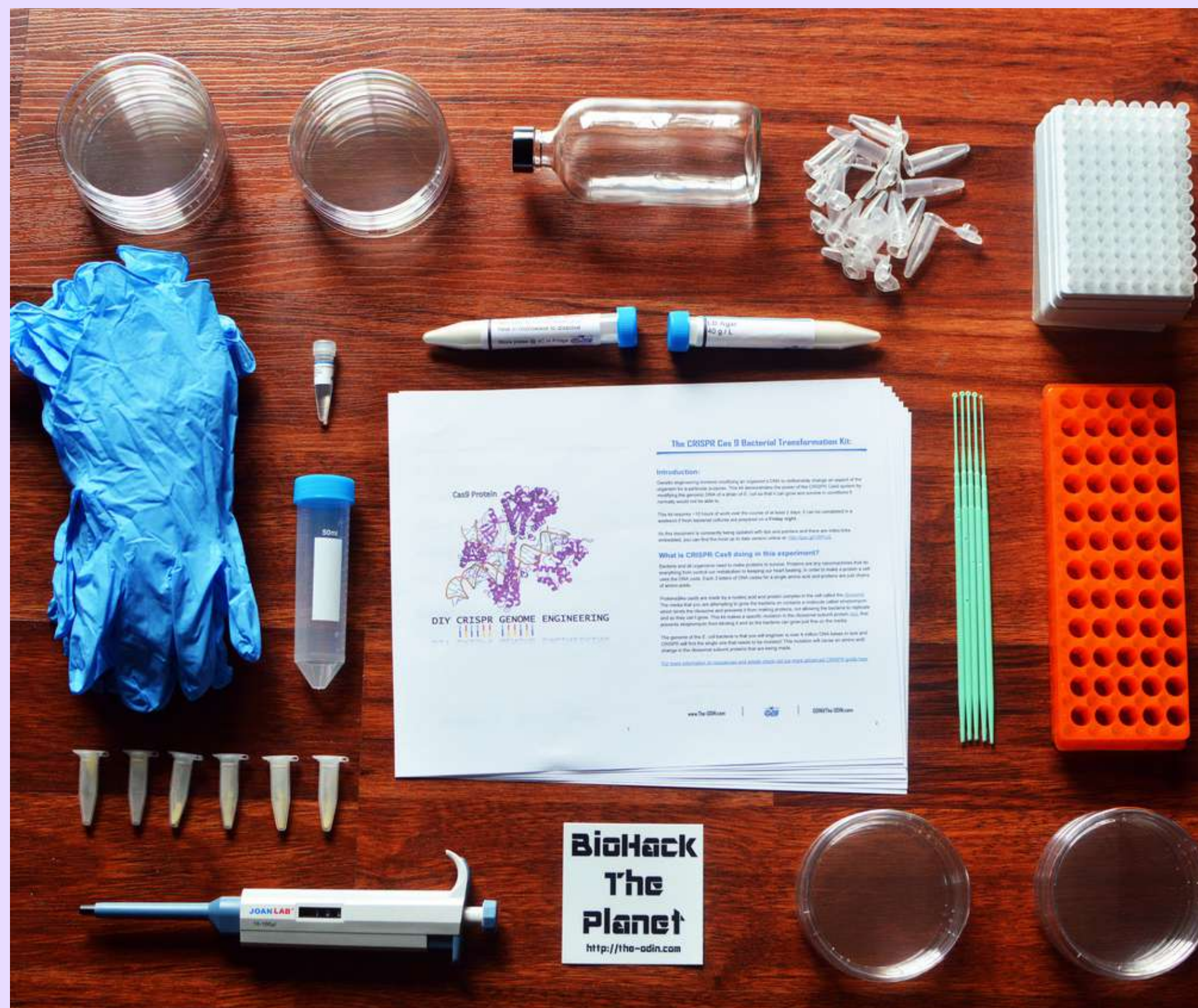
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DIY CRISPR KIT

DIY Bacterial Gene Engineering CRISPR Kit

This kit includes everything you need to make precision genome edits in bacteria at home including Cas9, gRNA and Template DNA template for an example experiment.

Includes example experiment to make a genome mutation(K43T) to the rpsL gene changing the 43rd amino acid, a Lysine(K) to a Threonine(T) thereby allowing the bacteria to survive on Strep media which would normal prevent its growth.



Kit contains enough materials for around 5 experiments or more.

- LB Agar
- LB Strep/Kan/Arabinose Agar
- Glass bottle for pouring plates
- Non-pathogenic E. coli DH5a bacteria
- Inoculation Loops/Plate Spreader
- 10-100uL variable volume adjustable pipette(1uL increments)
- Box of 96 Pipette Tips
- 14 Petri Plates
- Microcentrifuge tube rack

- Nitrile Gloves
- Microcentrifuge tubes
- 50mL Tube for measuring
- Bacterial transformation buffer 25mM CaCl₂, 20% PEG 8000
- LB Media for transformation recovery
- Cas9 plasmid
- gRNA plasmid
- Template DNA

DIY Bacterial CRISPR Refill/Classroom Kit

This kit provides the media, DNA, bacteria and plasticware to perform a bacterial CRISPR experiment. 1 item is enough for 5 experiments.

- 50uL of Cas9 plasmid
- 50uL of gRNA plasmid
- 50uL template DNA
- Strep/Kan/Arabinose Agar Media
- LB Agar Media
- LB Media
- 20 microcentrifuge tubes
- 14 plates
- Non-pathogenic DH5a E. coli bacteria
- Inoculation loops
- 750uL Bacterial Transformation Buffer




Contact Us

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