Controlled CRISPR Chromosome Editing

with the Out of the Blue CRISPR and Genotyping Extension kits

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Out of the Blue
CRISPR and Genotyping
Extension kits

bio-rad.com/outoftheblue
Why Teach CRISPR?

- Microbial immune system
- Discovery to technology
- Applications
Hands-On: Out of the Blue CRISPR Kit
Hands-On: Out of the Blue CRISPR Kit

DNA Cutting Machinery

DNA Repair Machinery

Cutting Guide RNA

Donor DNA
Hands-On: Out of the Blue CRISPR Kit

Starter bacteria (+/- DNA repair)

Plasmid (+/- guide RNA)

Transform

Plate
Hands-On:
Out of the Blue CRISPR Kit
Hands-On:
Out of the Blue Genotyping Extension
Topics, Skills, and Activities

- Controls
- Modeling
- Bioinformatics
- Validating experimental results
FREE Resources and Activities
bio-rad.com/outoftheblue
FREE Resources and Activities
bio-rad.com/teachcrispr
FREE Lab Technique Videos
bio-rad.com/explorervideos
Remote Learning & Modified Schedules
bio-rad.com/outoftheblue

Out of the Blue CRISPR Kit (12012608EDU) – $235

Out of the Blue Genotyping Extension (12012607EDU) – $199
  ● Configuration options

Discounted bundles

Both kits are refillable
Remember: many Bio-Rad products are discounted for K-12 and undergrad classes!

More free resources: bio-rad.com/classroomresources

Thank you!