



Bacterial Genetics Question Bank 1-7

Bacterial Genetics Question Bank includes 17 Studies with 29 images illustrating classical genetics (genotype & phenotype, gradient plate, transformation, conjugation) & molecular genetics (restriction enzymes, PCR).

Genetics 1–5
Genetics 6–7

Genetics 1 Genotype & Phenotype

Genetics Question Bank 1.1

Subject (images)

Light and Dark Ultraviolet Repair in *Serratia marcescens* (1)

Genetics 2 Gradient Agar Plate

Genetics Question Bank 2.1

Growth of *E. coli* along a Neomycin Antibiotic Gradient (2)

Genetics 3 Transformation

Genetics Question Bank 3.1

Genetics Question Bank 3.2

E. coli Transformants & Non-Transformants on LB/Ampicillin Agar (1)

E. coli Transformants & Satellite Colonies on LB/Ampicillin Agar (2)

Genetics 4 Conjugation

Genetics Question Bank 4.1

Genetics Question Bank 4.2

E. coli, rif^R , chl^R Conjugation Recombinants Change with Time (3)

E. coli rif^S , chl^R , pro^+ , met^+ & *E. coli* rif^R , chl^R , pro^- , met^- on Minimal & Amino Acid Supplemented Medium (1)

Genetics 5 Restriction Enzymes

Genetics Question Bank 5.1

Genetics Question Bank 5.2

Genetics Question Bank 5.3

Genetics Question Bank 5.4

Genetics Question Bank 5.5

Genetics Question Bank 5.6

Genetics Question Bank 5.7

Type II Restriction Enzymes & Palindromic DNA Sequences (5)

Components of an Ethidium Bromide Workstation (5)

Gel Electrophoresis of Eco0191 & FspI pUC18 Digests (1)

Gel Electrophoresis of Avall & SspI pUC18 Digests (1)

Gel Electrophoresis of BamHI & HindIII Lambda Phage Digests (1)

Contributions of Restriction Enzymes & Gel Electrophoresis to Biotechnology (1)

Benefits of rBST Yoghurt (rBST = recombinant bovine somatotrophin) (2)

Genetics 1–5
Genetics 6–7

Genetics 6 PCR

Genetics Question Bank 6.1

Genetics Question Bank 6.2

Genetics Question Bank 6.3

Staphylococcus aureus 16S rRNA & Sa442 Amplicons (1)

Components of an Ethidium Bromide Workstation (5)

Lexagene Automated Testing for Pathogens & Antimicrobial Resistance (2)

Genetics 7 Ames Test

Genetics Question Bank 7.1

Spot Plate Test for Suspected Mutagen (1)