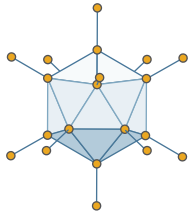
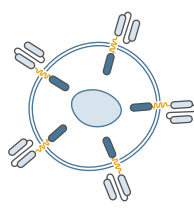


Long-Read Sequencing in Biopharma R&D

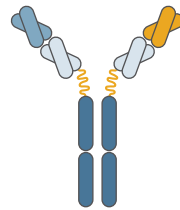
Gene Therapy



Cell Therapy



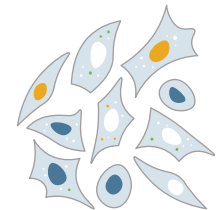
Antibodies



Vaccines



Cell Line Characterization

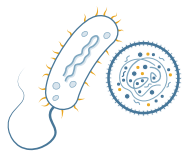


Biosafety • Identity • Potency

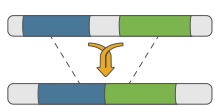
▲ Advantages



Long Reads



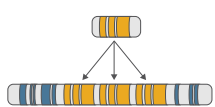
Adventitious Agent Detection



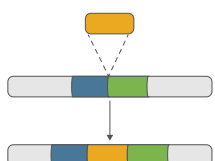
Gene Fusions



Gene Truncations

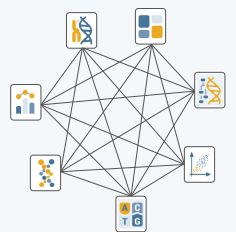


Copy Number Variations



Integration Site Analysis

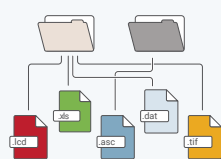
▼ Challenges



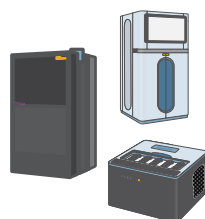
Specialized Analysis Tools



Computational Resources



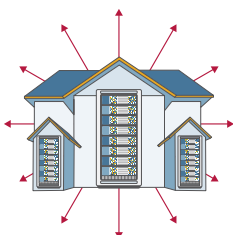
Manual Report Generation & Tracking



Cross-Platform Integration



Data Storage & Management

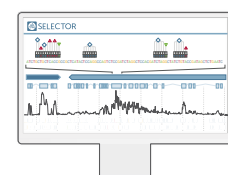


Outsourcing

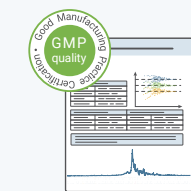
✓ Solutions



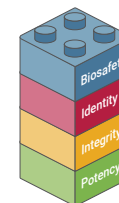
Automated Analysis Workflows



Intuitive Visualizations



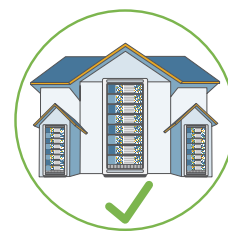
GMP-Ready Automated Reports



Multi-Attribute Method for CQAs



Genedata Managed Cloud



In-House