



Genetic characterization



Detection of adventitious agents



Custom solutions

Detection of Adventitious Agents

Accelerate and de-risk your manufacturing process

Adventitious agents, such as viruses, bacteria and fungi are microorganisms unintentionally introduced into the manufacturing process of a biological or medicinal product. These contaminants are a major safety concern in biologics and their presence often hampers the market approval. Timely identification of unwanted microorganisms present in your sample can have, therefore, a great impact on your production. GenomeScan's Next Generation Sequencing (NGS)-based assay for detection of adventitious agents is a high-throughput, sensitive and rapid method, that will accelerate and de-risk your manufacturing process. The assay is always tailored to your specific needs: are you searching for viruses, that you suspect to be present in your sample? Or perhaps you would like to screen for any types of contaminants, without prior sequence knowledge? GenomeScan's scientist will work with you to design the most appropriate experimental set-up. Our proprietary RNA and DNA library preparation protocols combined with short (Illumina) or long-read (PacBio) sequencing solutions are compatible with a wide range of samples (raw materials, ancillary reagents, virus seeds, cell substrates, cell banks, pre-production cells, pre-filtered harvest, post-production cells, control cells, post-filtered harvest and final product).

Key benefits

Our NGS-based solutions for detection of adventitious agents:

- Replace multiple tests with a single, comprehensive assay
- De-risk and accelerate your manufacturing processes
- Improve sensitivity and accuracy of your biosafety testing
- Reduce costs

NGS Laboratory workflow



