



Fios Genomics offers rapid multiplex genomic approaches to assist bio-manufacturing; from cell line stability to product characterisation, our solutions will help you monitor the process.

We use 'omics technologies and robust analysis techniques for integration in three areas associated with biological manufacturing.



### PRODUCTION

Fios Genomics can provide robust QA/QC monitoring through genomic and proteomic characterisation of cell lines used in the production of biologicals:

- Assessment of implications of phenotype/genotype drift by pathway analysis.
- Assessing the inherent instability of cell lines by CNV and SNP analysis.
- Proteomic analysis to account for post-translational modifications (such as glycosylation).



### PROCESS CONTROL

Fios Genomics can help integrate a process for continual monitoring of cell lines to ensure robust and consistent manufacturing processes:

- Automated analysis workflows for fast results.
- Creation and analysis of custom arrays.



### ACTIVITY PROFILING

Our analysis approaches are applicable for all biological (batch testing) or can be applied to the development of biosimilars or biobetters:

- Confirmation of activity or biosimilarity.
- Off target effects assessed.
- Immunogenicity of new products in cells, animals or humans assessed.