



Biotechnology Sector

The Biotechnology sector requires highly specialised Cleanrooms and Laboratories where the concentration of airborne particles, temperature, humidity and pressure can all be carefully controlled. Such controlled environments must be designed to meet very specific performance requirements, and care taken to minimise contamination risk.

Our team of designers are highly experienced in this sector and use their combined expertise to deliver Cleanrooms, Laboratories and other controlled environments to the highest standard.



T-SQUARED

The Team Works.

Biotechnology Sector

The Client: SAFC Biosciences

SAFC Biosciences (Irvine) are manufacturers of cell culture products, reagents and Down Stream Purification (DSP) buffers.

Background to the Project

SAFC required a full strip out of an existing production area, to be replaced with the construction of a new Cleanroom facility with 2no. mixing rooms and 2no. fill rooms, as well as an adjacent WFI Plantroom.

Scope of the Project

T-SQUARED successfully tendered against 3 other companies to be appointed as the specialist design and build contractor. T-SQUARED worked with the client's design brief to develop the design of the cleanroom production suite.

The scope of works also included the process design involved with the production machinery with all the Validation involvement from the Medicines and Healthcare Products Regulatory Agency (MHRA) and Food and Drugs Administration (FDA).

- Full strip out of existing production area
- Design and build of 2no. cleanrooms
- Design and build of 2no. mixing areas
- Design and build of 2no. fill rooms
- Design and build of WFI Plantroom
- Process design for production machinery
- Validation involvement from the MHRA and FDA.

Timescales

Detailed design commenced in early 2010 and project completed by the end of December that year.

Project Value

£2M



The Team Works.

Biotechnology Sector

The Client: SAFC Biosciences



Further case studies within this sector are available upon request.



The Team Works.