

## Decontamination by PBSC

Custom design solutions for Roslin Cells



Life-changing cell and gene therapy worldwide

### Expansion promising to bring next-generation treatments to patients globally...

Roslin Cells is a leading UK Cell Therapy Contract Development and Manufacturing Organisation focused on providing services for companies developing cell-based therapeutic products.

Based at the Edinburgh Bio Quarter with a proven track record in the delivery of cell-based products, Roslin Cells has a mission to help change people's lives. Leading the field in cell and gene therapy manufacturing and being the partner of choice with a personalised service.

Announcing the construction of a new Cell & Gene therapy

manufacturing facility at the end of June 2020, expanding their new manufacturing centre.

The new state of the art facility will operate to US and EU GMP standards, promising to bring next-generation treatments to patients globally and **PBSC** who are a leading manufacturer of clean room, high containment and material decontamination products around the world provided the expertise and solutions allowing the transfer of products and materials into their Grade C cleanroom facility without risk of contamination.

**PBSC's** solutions were introduced as part of the installation of the new clean room within the Roslin Cells facility and working in association with Connect2Cleanrooms, tested and validated the hatches for use in a Grade C environment, helping towards the ground-breaking medical research and life sciences.

## Products

- 2 x H<sub>2</sub>O<sub>2</sub> Decontamination Hatches
- 9 x Transfer Hatches
- 2 x Fire Rated Transfer Hatches



## Solutions & Results

To remove Hydrogen Peroxide from the extract route, **PBSC** added the Extract 800 to each MAL50 hatch.

**Networking** - Each MAL50 hatch consisted of the Siemens "Simatic Log on Software" allowing the usage of the new Cell & Gene therapy log in IDs for access to the HMI's.

**Networking** - Communication on both MAL50 hatches incorporated the integration into Roslin Cells IT system to allow the cycle data to be sent direct to the facilities server.

**Trolleys** - Both **PBSC's** MAL50 hatches included a trolley system consisting of a wheelable trolley base which holds the racking and shelving units, these are placed within the hatches holding the required products for decontamination.

The new MAL50 hatches are standalone and include **PBSC's** AHS - 3 valve system.

This air handling solution enables Roslin Cells to utilise their products without needing to integrate into the site HVAC system, using the hatches for both HPV and Air Clean cycles without risk of contamination.

The wall mounted hatches consisted of **PBSC's** reliable interlock system aiding in the reduction of cross contamination, with the fire rated hatches tested with **PBSC's** integrity certification.

**PBSC's** products, services and support contributed to this all-new cell and gene therapy contract development and manufacturing facility, helping to become an innovative hub, expanding the development and manufacturing capability, promising to bring next-generation treatments to patients globally.

*"A cutting-edge process development and manufacturing facility"*



**Neil Roper - Head of sales for Material Decon Solutions at PBSC.**

**“ I'm proud to have provided our products to this state-of-the-art facility in Scotland, knowing this will help towards future cell and gene therapy. ”**

[www.pbsc.co.uk](http://www.pbsc.co.uk)

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