

Next Generation Solutions: cQrex®

Boosting cell culture performance in biopharma applications



OUR HANDPRINT TARGET: By 2030, more than 70 percent of our total revenue will be generated with next generation solutions.



SITUATION

- Biologics are one of the growing areas of the biopharmaceutical industry providing innovative solutions to patients with a wide range of chronic diseases and severe medical conditions.
- Over the past decade, optimization of cell culture media has become a key strategy for obtaining high yields while ensuring product quality in the manufacture of biopharmaceuticals.



COMPLICATION

- Amino acids are common media ingredients and critical nutrients for mammalian cells that are used in the production of biopharmaceuticals.
- However, some amino acids have properties that limit their cellular uptake and restrict cell culture performance.



SOLUTION

- As a pioneer for high-quality cell culture solutions, Evonik has designed chemically defined cQrex® peptides to overcome the well-known stability and solubility challenges of L-glutamine, L-tyrosine and L-cystine.
- Based on our strong expertise across chemistry and biotechnology, the non-animal-derived cQrex® peptides can be leveraged as innovative media ingredients to increase cell culture efficiency.
- They can be used to formulate more concentrated media, simplify the cell culture bioprocess and achieve higher productivity at lower production costs.

LIFE AT HEART.

SYSTEM IN MINDS.

PARTNERS AT HAND.

