

# Next Generation Solutions: cQrex<sup>®</sup>

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.**

