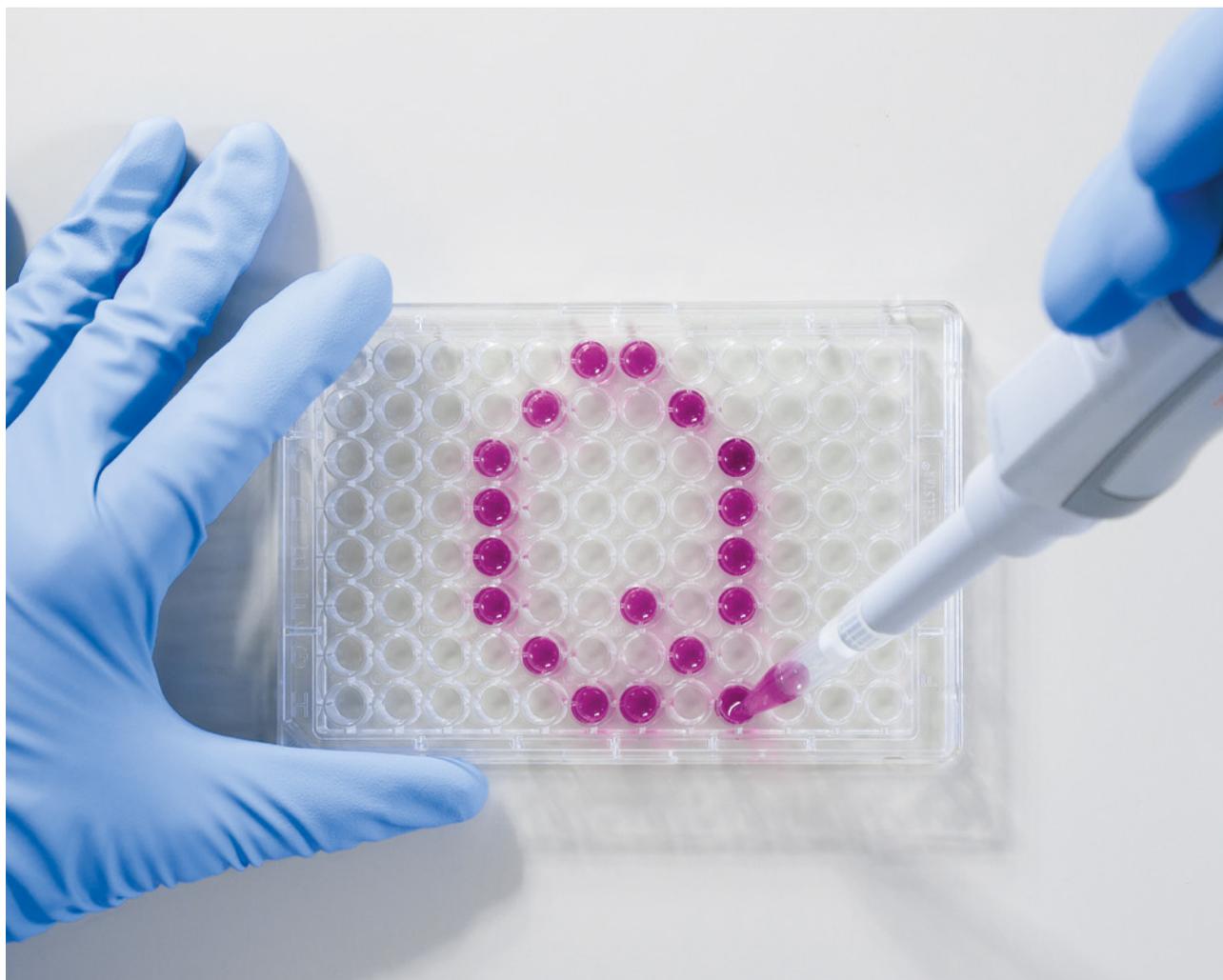


Cell culture solutions

High quality ingredients for research,
manufacturing and clinical applications

cQrex™



A global partner to the pharma and biotech industry

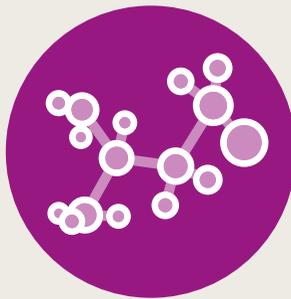
Evonik is one of the world's leading specialty chemical companies, with over 32,000 employees from more than 100 countries active across 170-plus sites. Pharmaceutical and biotech customers from around the world leverage our broad portfolio of cell culture ingredients and value-adding services. Together with more than 60 years of expertise in the production of amino acids, backward integration for starting materials, and established manufacturing sites in Europe and Asia, we help to minimize risk from the lab to commercial scale.

Our offering: Boosters and beyond



BOOSTERS

cGMP-quality peptides and keto acids solving key issues in mammalian cell culture



AMINO ACIDS

More than two decades of excellence in the supply of high-quality, animal-origin free ingredients for consistent media performance



CUSTOMIZATION

Media ingredients and formulations tailored to your specific requirements



SERVICES

Screenings and booster development support with strong local market expertise

The cQrex™ effect: How our boosters work

Tyrosine and glutamine are examples of amino acids that are hardly soluble or chemically reactive and unstable. This limits process performance, especially if highly concentrated feed or perfusion media are required to intensify the process.

cQrex™ dipeptides and performance boosters from Evonik provide an elegant solution. Chemical coupling to carrier amino acids yields dipeptides that are stable and highly soluble at neutral pH. These natural building blocks are efficiently utilized by a variety of animal and human cells.

PRODUCT PROPERTIES

- High solubility in neutral pH
- High stability
- High bioavailability

PROCESS BENEFITS

- Increased productivity
- No need for high-pH feeds, reduced production risks
- Process simplification
- Lower cost per unit of product

DESIGNED FOR CELL CULTURE

Curious? Order your sample kit!

When performance is of the essence, it helps to have the right tools available. The cQrex™ standard booster portfolio consists of peptides, keto acids, special amino acids and derivatives. They are designed to stabilize

components, to prolong longevity, solubilize critical constituents, increase productivity, and help manage the concentration of critical metabolites. All boosters are readily available at commercial scale.

PRODUCT NAME	BENEFITS	SOLUBILITY IN WATER (20°C, pH 7)	QUANTITY IN SAMPLE KIT
cQrex™ GY Glycyl-L-tyrosine	Tyrosine replacement when high concentrations at neutral pH are needed	34 g/L	10 g
cQrex™ GQ Glycyl-L-glutamine	Alternative stable replacement of free glutamine	154 g/L	10 g
cQrex™ AQ L-alanyl-L-glutamine	The classical stabilized form of glutamine	720 g/L	10 g
cQrex™ AAQ N-Acetyl-L-alanyl-L-glutamine	Increases cell-specific productivity	>500 g/L	5 g
cQrex™ AKG α-ketoglutaric acid	Titer-enhancing additive, protects cells against oxidative damage	>1000 g/L	5 g
cQrex™ Carnosine β-alanyl-L-histidine	Protects primary and stem cells against oxidative damage, influences cell ageing	–	–

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