

A high-magnification, phase-contrast micrograph of HEK293T cells. The cells are densely packed and exhibit a characteristic morphology with large, flat, polygonal cells and prominent, radiating cytoplasmic extensions. The overall appearance is a complex, interconnected network of cells with a yellowish-brown hue, typical of HEK293T cells in culture.

HEKxpress

Ready-to-use | HEKxpress Feed
Long-Term Cultivation with
Maximum Production Yield

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Long-Term Cultivation with Maximum Production Yield

HEKxpress has been developed to cultivate HEK293 and other human cell lines to high cell densities and maximum production yields. HEKxpress is a ready-to-use medium that contains stable Glutamine and does not require supplementation prior to usage.

Various applications

HEKxpress is chemically-defined (CD), animal component-free (ACF) and does not contain serum (SF), proteins (PF) or hydrolysates. This feature allows a seamless transition through research and development stages and for further manufacturing.

HEKxpress can be used for the cultivation of HEK293 cells for various purposes of recombinant protein, antibody as well as viral vector or vaccine production. It is suited for transient transfection as well as for the establishment and cultivation of stable cell lines. Transfection can be carried out directly and efficiently in the medium. HEKxpress supports all common transfection methods such as chemical (Polyethylenimine, Lipofection, Calcium Phosphate etc.), physical (electroporation) and biological (viral transduction).

Chemically-defined

Serum-free
Protein-free
Animal-component-free

Versatile & 'Ready to use'

Stable glutamine (L-Alanyl-L-Glutamine) and without neither phenol red nor antibiotics

HEKxpress Feed

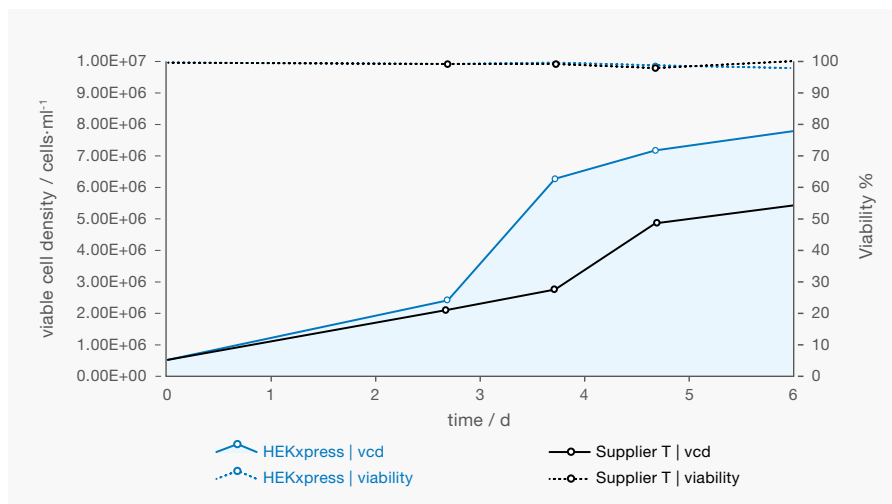
HEKxpress medium can be used with or without the HEKxpress Feed depending on the intended application and use.

[Application Note](#)
[HEKxpress](#)



Better Growth – Higher Density

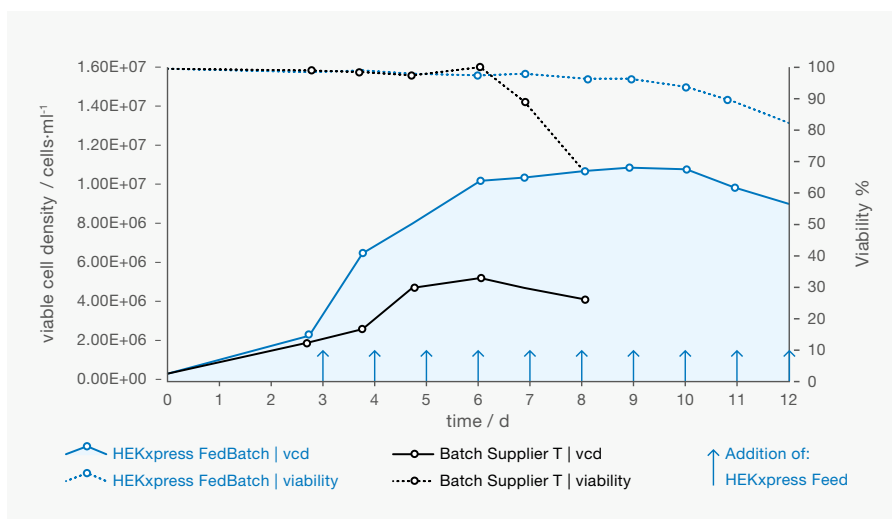
HEKpress can be used as a basal but complete medium without the HEKpress Feed for applications where quick turnaround times are needed to express and produce one or many proteins in a short period of time. It has been shown that higher cell densities and shorter cultivation times are achieved with HEKpress medium compared to competing products.



Comparison of HEKpress medium with Supplier T medium in batch cultures. HEKpress provides better growth support than Supplier T for HEK293 cells as demonstrated by higher viable cell density (vcd) even in the absence of feed.

Prolonging with HEKpress Feed

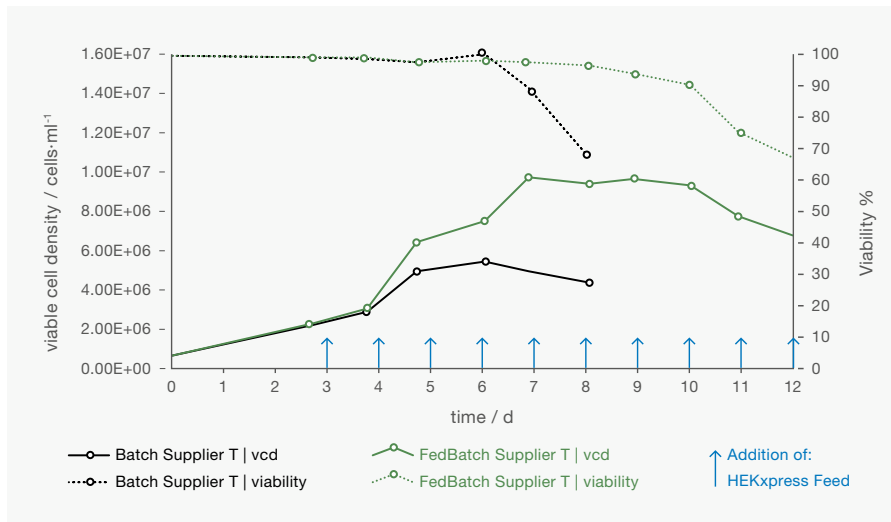
The full potential of HEKpress medium unfolds in combination with its specifically designed HEKpress Feed. For applications where cells are cultured for longer periods with the intention of maximum production yield, the addition of HEKpress Feed will increase cell viability and productivity.



Comparison of HEKpress CD medium with Supplier T medium in fed-batch cultures. HEKpress medium supported HEK293 cultures supplemented with HEKpress Feed from day 3 on a daily basis (5% v/v). HEK293 cultures viable cell density and viability significantly increased with the addition of HEKpress Feed prolonging the culture period to day 12.

Feed Others

HEKxpress Feed is also compatible with HEK media from other manufacturers and thus can also enhance viability and productivity of cultures in situations where switching of the basal media itself is not possible.



Cultures supported by Supplier T medium were fed with HEKxpress Feed to enhance the duration of HEK293 cultures.

All parameters of culture including cell density, viability and duration were significantly increased by the addition of HEKxpress Feed from day 3 on a daily basis (5% v/v).

Available HEKxpress Media

Cat. No	Description	Size
10-02S200-I	HEKexpress ready-to-use	500 ml
5-03Z01-I	HEKxpress Feed	500 ml

Other formats including various bag sizes and bulk are available upon request

BioConcept is a leading manufacturer and service partner for numerous top-tier pharmaceuticals and academic institutions in Switzerland and around the world.

BioConcept has been operating under a certified quality management system since 1995. Our production sites for liquid and powder media production are located in the Life Science area Basel (Switzerland).



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