

Let's scope out  
your project.



futurefields.io



Future Fields



@futurefieldsHQ



Edmonton, Canada



Synergizing nature and  
technology to improve  
life on Earth.

# Insect Expression That Scales

Difficult-to-Express Protein  
Manufacturing Done Differently





# Your scaling partner for difficult-to-express proteins

**Our platform, your technical advantage**

Our **EntoEngine™** harnesses *Drosophila melanogaster*, or the common fruit fly, to make your unique protein.

## UNICELLULAR SYSTEM

Gene inserted into single cell system



Protein target cannot be expressed or kills the host organism



No product or unfeasible yield

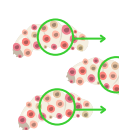


## ENTOENGINE™: MULTIPLE OPTIMIZED CELL TYPES FOR YOUR PROTEIN

Gene inserted into multicellular EntoEngine™ system for **ubiquitous expression**



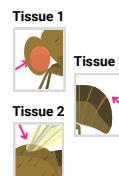
**Majority or all cell types in larvae successfully express protein target**



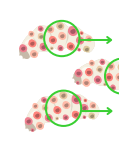
Proteins expressed and purified



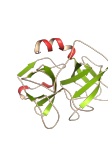
Strains engineered to optimize viability & protein folding with **tissue specific expression**



**200+ cell types screened for optimal yield and protein functionality**



Proteins expressed and purified



**Synergizing nature and technology to improve life on Earth.**



**FUTURE FIELDS**



## Difficult protein production made easy with the EntoEngine™

*Protein production you can rely because of our robust genetic toolkit:*

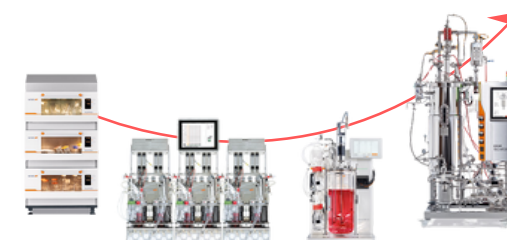
**Tunable expression**

**Superior processing**

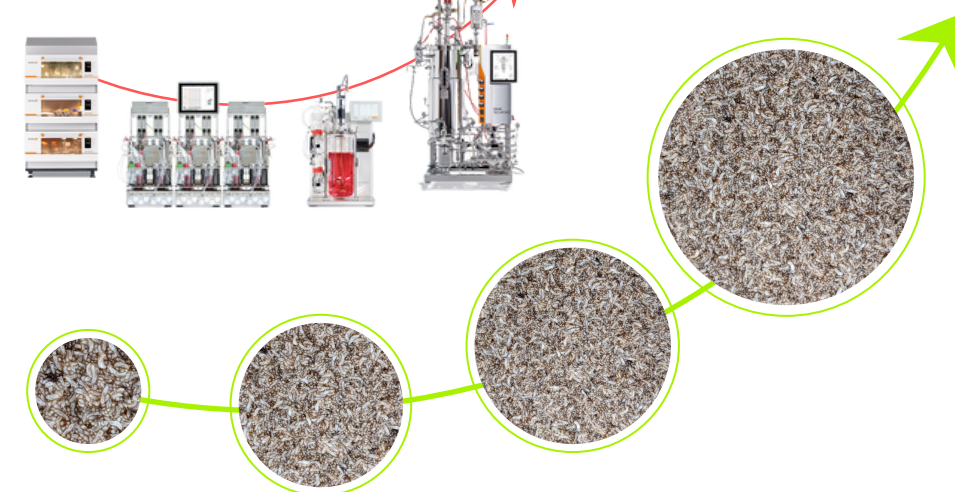
**Tissue specific expression**

**Genetic stability**

Scaling up in bioreactors requires constant, **expensive optimization** and **compromise**.



Scaling up with the EntoEngine™ is **modular** and **fast**, producing micrograms to grams of recombinant protein daily.



## Performance and quality without breaking budget

Our EntoEngine™ capitalizes on the efficiency of insects to produce a cost-effective manufacturing process. We pass on these cost savings to our customers, who are diligently working on the research of the future.



**Contact Us**



support@futurefields.io



scan for more

