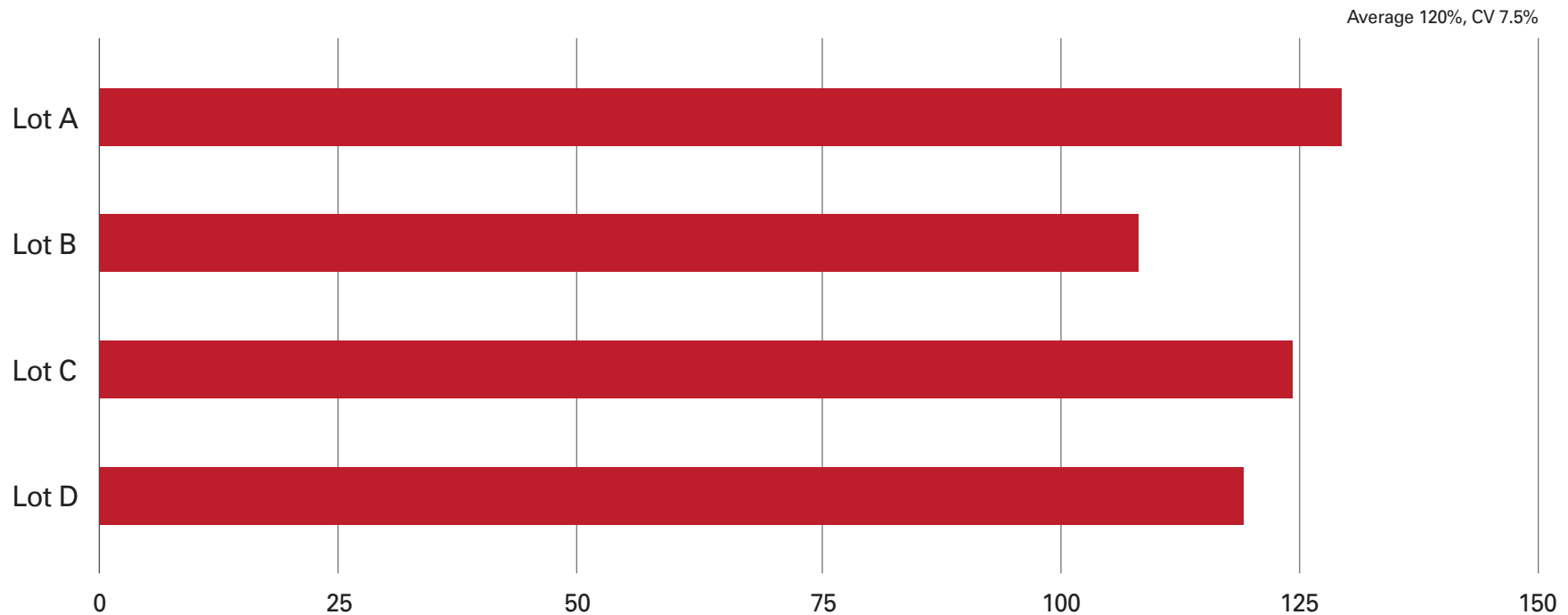


» Stable activity with high lot-to-lot consistency !

Thanks to our unique refolding technology utilizing “FMR”



\*Relative Biological Activity vs WHO std. (%)

\*Relative Biological Activity (%) =  $\frac{ED_{50} \text{ of WHO std.}}{ED_{50} \text{ of Ajinomoto's Activin A}}$

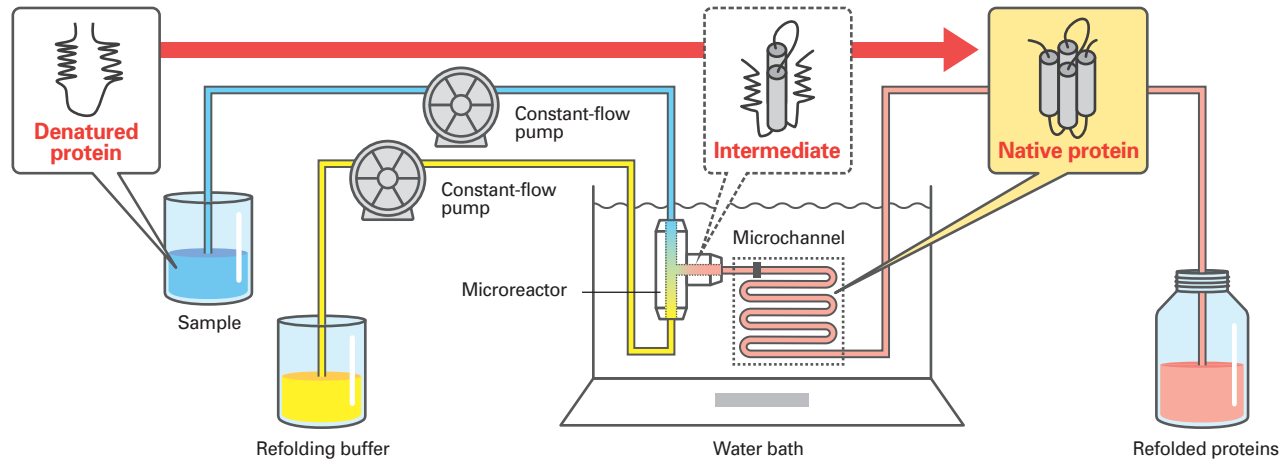


*Using AJINOMOTO's Activin A will lead to highly reproducible results.*

## »» What is FMR?

Flow microreactor (FMR) is a flow reactor in which specific phenomena occur in micro space.

➔ **Applying FMR to the refolding process leads to the production of high-purity proteins with reliable lot-to-lot consistency.**



Characteristics	Advantages in protein refolding
• Fast mixing	High productivity, Stable quality, Higher yield
• Precise control of reaction time	High scalability
• Flexibility of production scale	

## »» Difference from conventional refolding technology

**Conventional method (Batch mixing)**

It is difficult to efficiently mix in a reproducible manner

Sample: Cytokine X

**Leading to inconsistent quality between batches**

**FMR method**

Enables the precise control of mixing in a scalable manner

Sample: Cytokine X

**Resulting in a stable quality at any batch size**