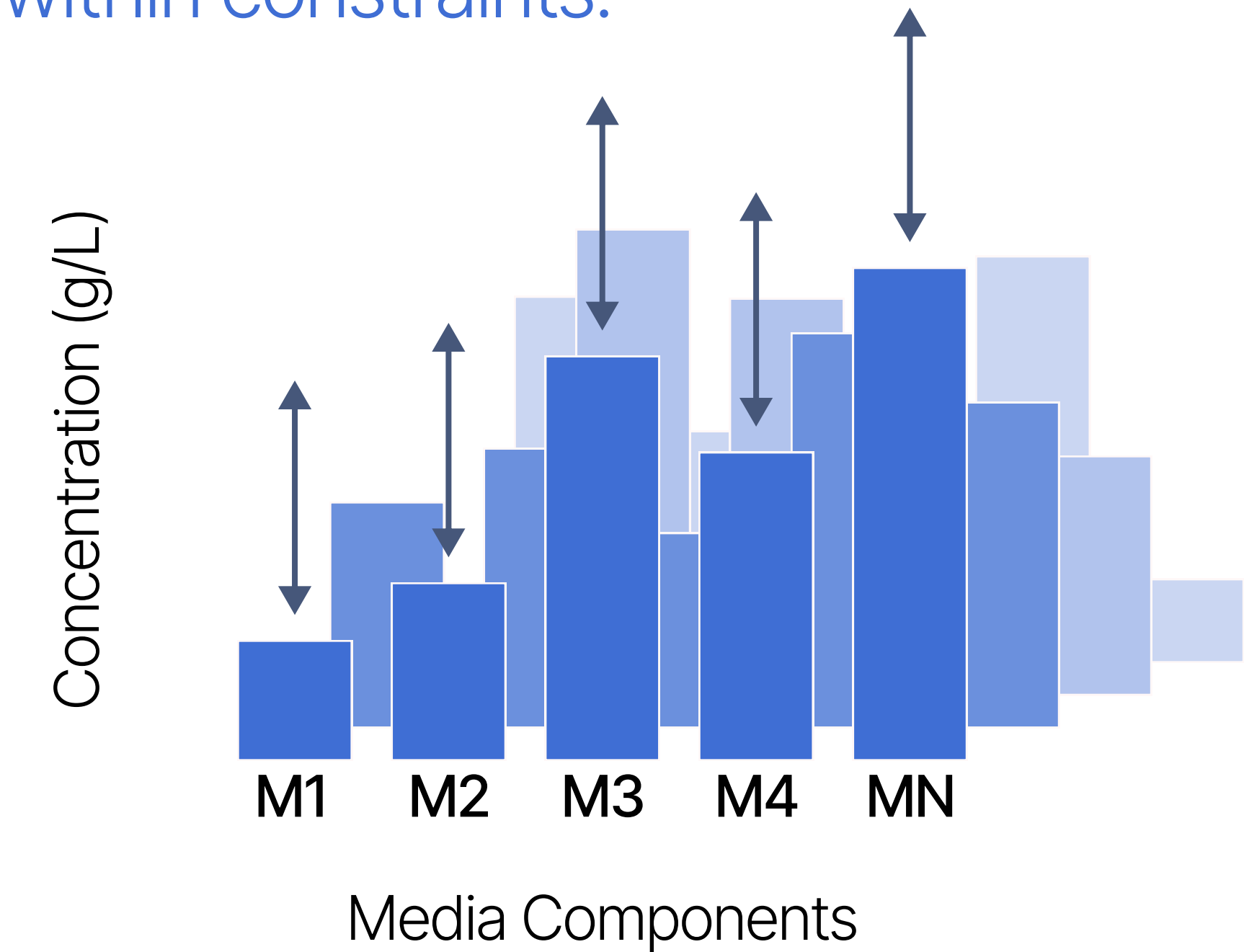
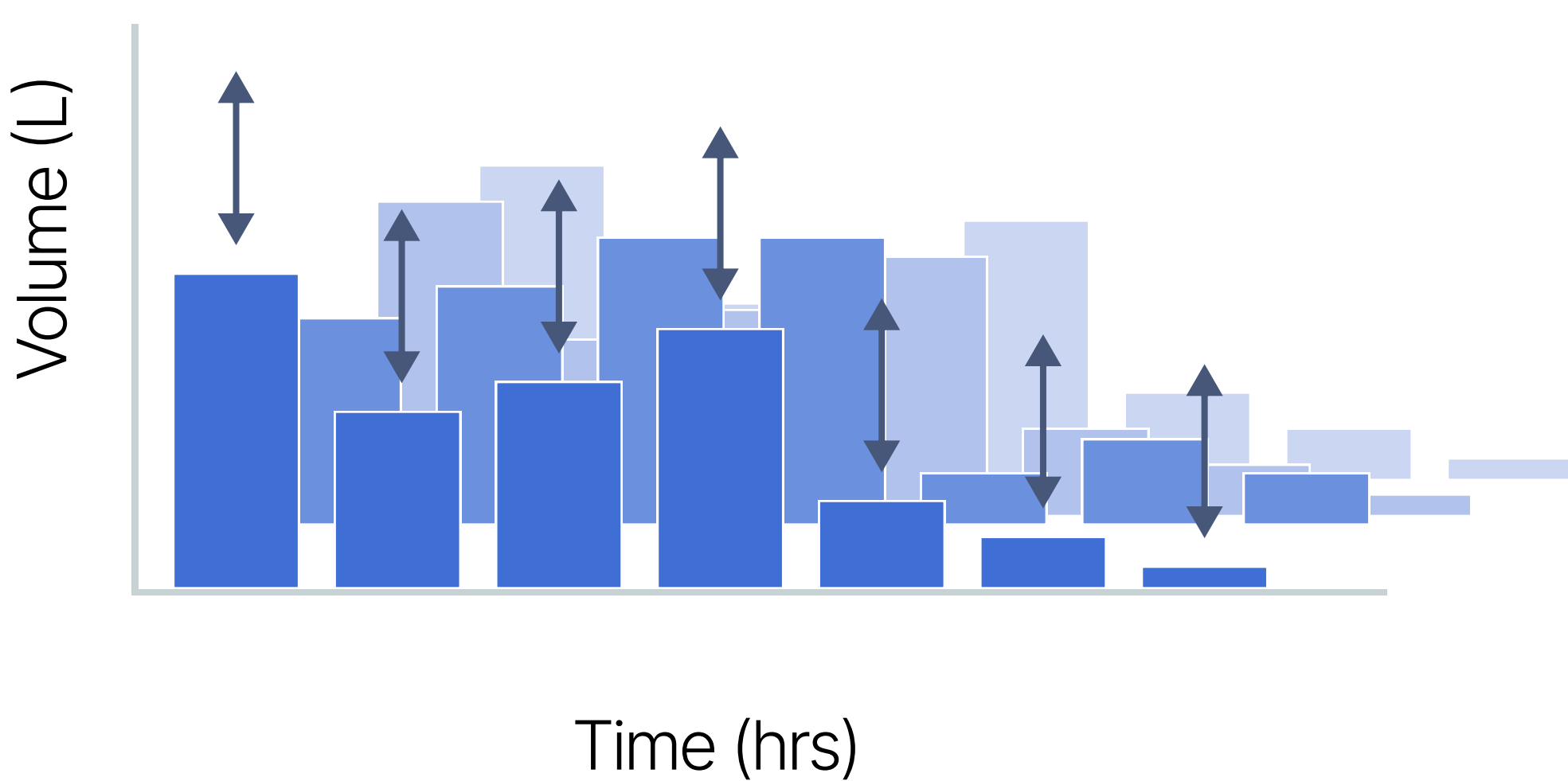


We ran thousands of simulations to find media compositions and feeding profiles that were predicted to **maximize product titer**.

Varying media compositions
within constraints.

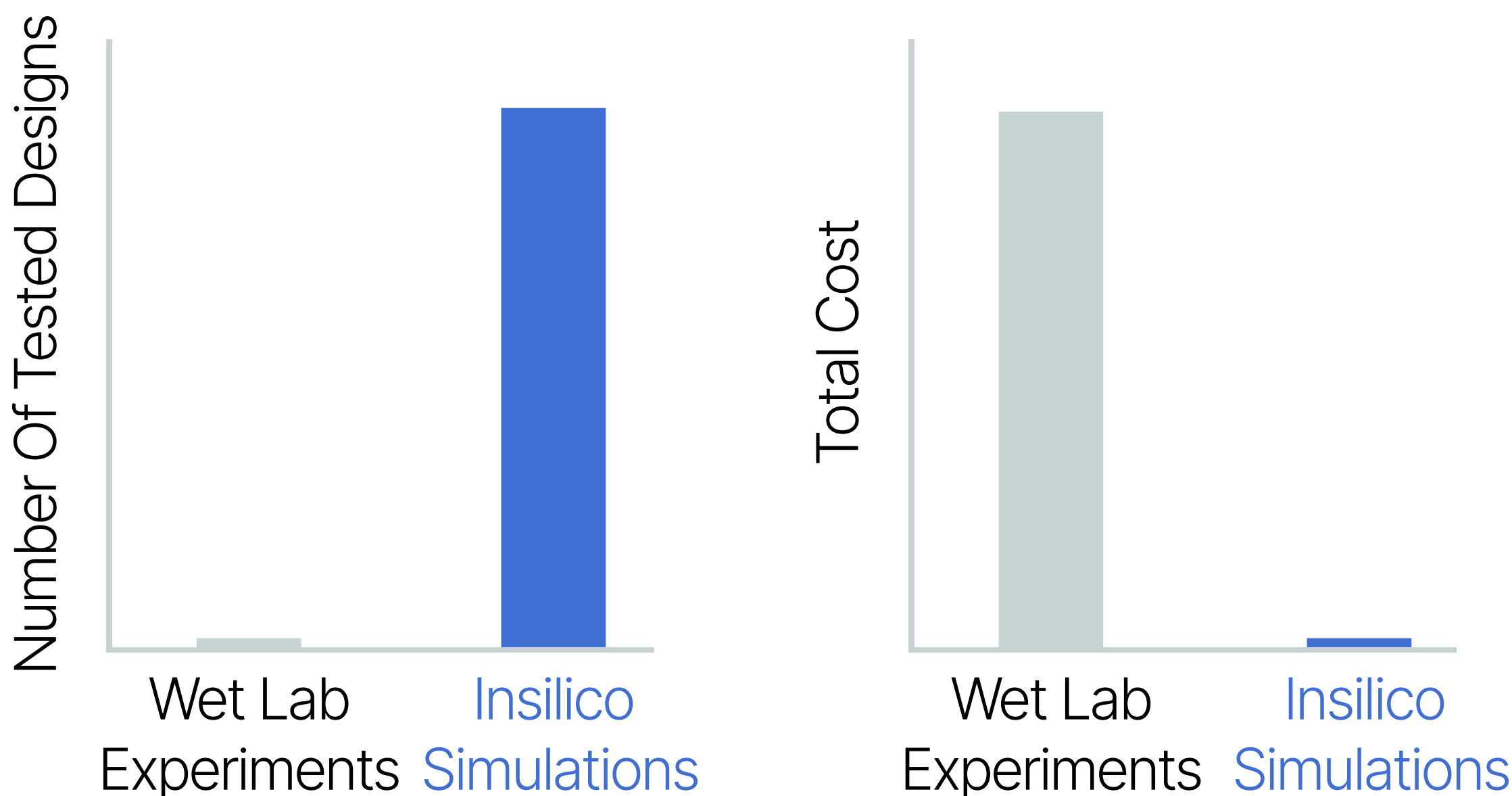


Varying feeding profiles
within constraints.



Our hybrid mechanistic-ML technology simulates the fluxes of a reduced genome-scale metabolic model.

The optimization search explores far more configurations at a far lower cost than traditional experimental exploration.



*A single Insilico simulation costs less than a dollar to run. These graphs are purely illustrative.

The result:

predicted titer increase
72%

experimental titer increase
70%

Want to improve titer?

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