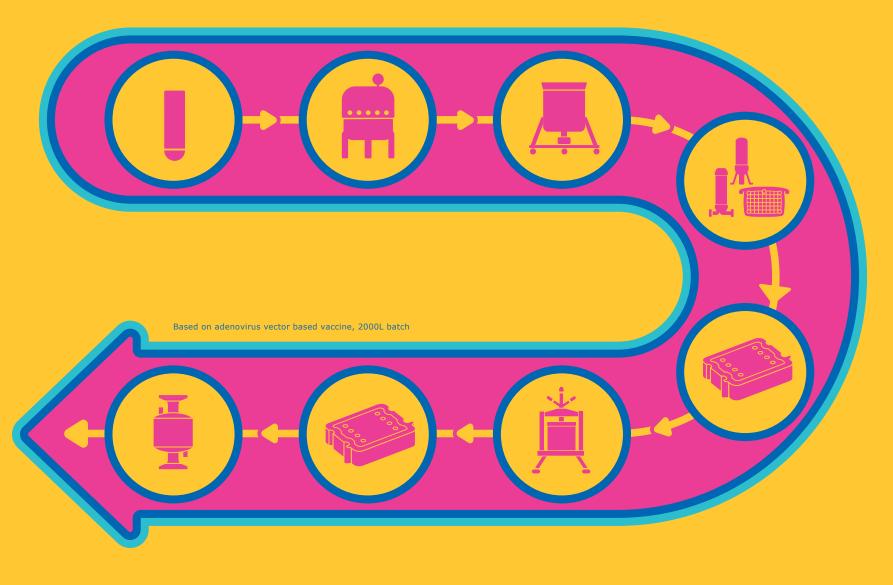
The value of flexible manufacturing of vaccines









The life science business of Merck operates as MilliporeSigma in the U.S. and Canada.

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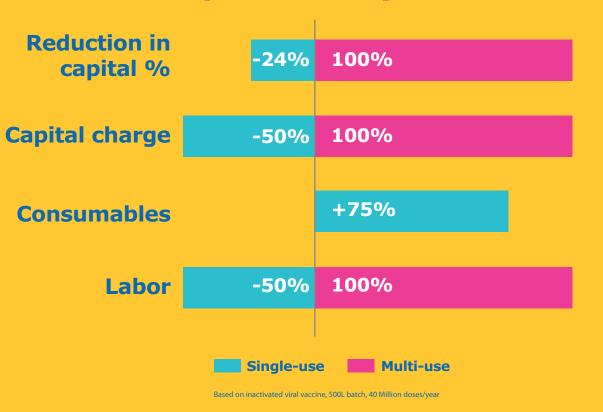
A single-use facility would represent a:



% decrease in cost per dose

Cost modeling of vaccine manufacturing

Single-Use vs. Traditional Stainless Steel (40M doses)



Single-use technologies allow for higher flexibility and increased manufacturing capacity.



Better response to pandemics



Fit for decentralized manufacturing

Multiproduct facilities

Preparation, Separation, Filtration & Monitoring Products



