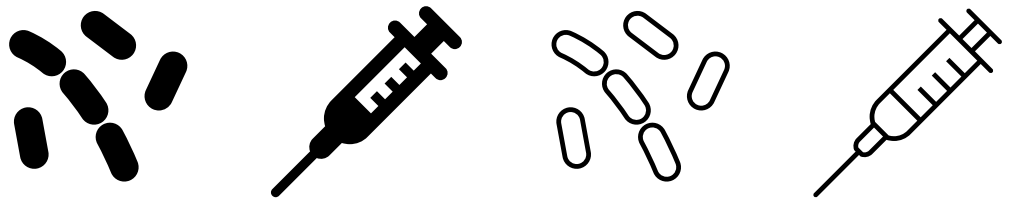
Upscaling of the production of pharmaceutical products on an industrial level

Abstract

One of the most crucial points in the pharmaceutical manufacturing industry is the upscaling process so that after clinical trials it can be produced on a large scale and ready for commercialisation, so that is more readily available to everyone. The upscaling process is carried out by mass production of pharma products and batch processing, which allow for medication, vaccines and other pharma products to be produced on previously unparalleled scale, all of which allow the products to be more cost-effective and widely available.

Overall, the upscaling process of pharmaceutical products is a very important and rapidly evolving industry, showing ever increasing innovations in the field leading to greater manufacturing speeds and shortening the time it takes for the product to be readily available to the public providing lifesaving treatments to so many who need it.

Introduction



Challenges

- B

Future applications

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Conclusion