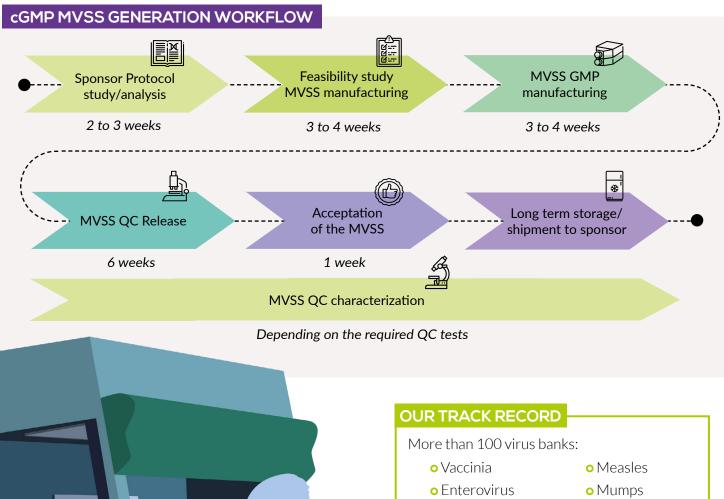


A COMPLETE OFFER FOR THE GENERATION AND CHARACTERIZATION OF YOUR VIRUS SEED STOCK

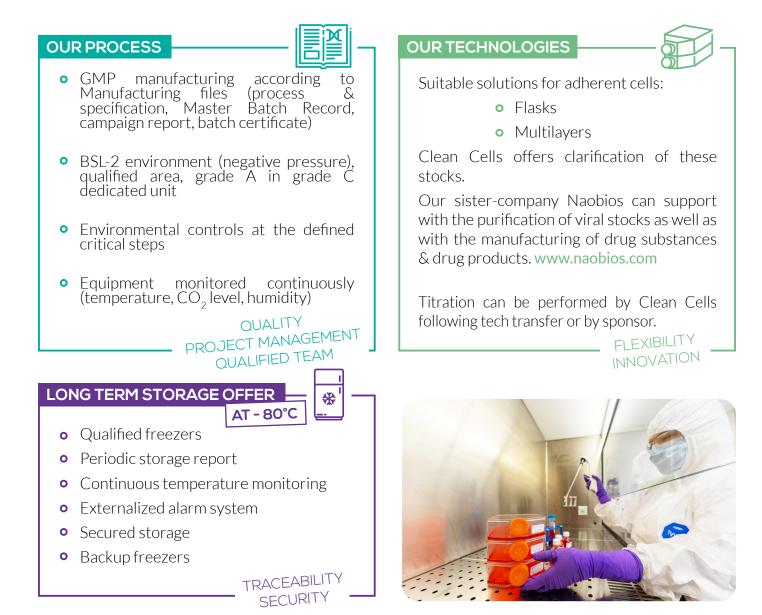
Clean Cells provides a wide range of services, based on a strong expertise, to manufacture, characterize and store Master and Working Virus Seed Stocks. In GMP and non-GMP environments, we have developed a solid know-how in the generation of viral strains, for multiple purposes.

The establishment of a GMP-grade Master Virus Seed Stock (MVSS) and Working Virus Seed Stock (WVSS) is the first step of the GMP manufacturing of viral vaccines, viral vectors and oncolytic viruses. With an experience of more than 20 years, Clean Cells presents itself as a one-stop-shop solution for the production and characterization of virus seeds destined for human or veterinary health that allows to propose optimize timelines for ready to use GMP virus seed stocks.



- Coxsackievirus
- EBV
- 0 HIV
- Dengue
- Rubella

- Adenovirus
- o HSV
- o Influenza
- o Zika...



VIRUS SEED CHARACTERIZATION SERVICES

According to Ph. Eur., USP, ICHQ5A, and based on our partner's risks analysis:

- Sterility
- Mycoplasma (by qPCR and culture approaches)
- Mycobacteria (by qPCR and culture approaches)
- After evaluation of neutralizing antibodies' activity:
 - Non-specific adventitious agent detection (in-vivo, in-vitro)
- Specific adventitious agent detection (human, bovine, porcine and other animals)
- Retrovirus (electron microscopy, infection assays, qPERT)
- Titration (TCID50, PFU, qPCR, dPCR)
- Gene copy number
- Identity (sequencing NGS, qPCR)

Clean Cells can support you with the generation of **GMP cell banks** and **associated quality control** as a **one stop shop solution** for your projects

contact@clean-cells.com clean-cells.com



END-TO-END SOLUTION