naobios
BIOMANUFACTURING SERVICES

CDMO FOR VACCINES AND VIRAL VECTORS MANUFACTURING

Fully integrated for process development and GMP manufacturing for Bulk Drug Substance:

- **Wide experience** of process development and GMP manufacturing for:
  - Cell banks
  - Virus seeds
  - IMP Bulk Drug Substance of live and inactivated virus and viral vectors
- Facility designed for **BSL2 biocontainment** for cells and virus (natural pathogens and GMOs)
- **Grade B, C and D** manufacturing areas
- **GMP operations** certified according to EU-GMP

As a CMO in virus manufacturing, Naobios offers:

- **Upstream and Downstream** Process Development
- Process **Scale-up**
- Production using **adherent and suspension cells** in Roller Bottles, Cell Stacks, Single-use Bioreactors (stirred tank or fixed bed) ranging from 2L – 200L working volume
- Experience with **Vero, MRC5, BHK21, EB66 and CAP cells**
- Process **transfer**
- **GMP** Bulk Drug Substance (BDS) **production**
- **Analytical** Development and Assay Qualification
- **Biosafety Testing** performed at Clean Cells www.clean-cells.com
- **QC Release Testing,** Stability Studies
- CMC support
- Comprehensive Program Management

a company of clean biologics
MAKING IT POSSIBLE

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