



Yaohai Bio-Pharma

Microbial Biologics CRDMO

Scan to Follow Us



Certified by



YAOHAI BIO-PHARMA

*From Concept to Vaccines
One-stop CRDMO*



Services

Recombinant DNA Technology

- DNA Vaccines
- RNA Vaccines
- VLP Vaccines
- Subunit Vaccines
- Protein / Peptide-based Vaccines
- Viral Vector Vaccines

Non-Recombinant DNA Technology

- Inactive Vaccines
- Toxoid Vaccine (Bacterial Capsule)
- Live-attenuated Vaccines
- Polysaccharides Vaccines
- Conjugate Vaccines
- Biologic Vaccine Adjuvants

Advantages

Bio-Safety Level 2 (BSL-2) Lab
cGMP Production Platform 7500 L+ Scale
The Largest GMP-level Plasmid Supplier in CHINA
EU QP Audit Passed and ISO Triple Certification Owned
Explosion-proof Facilities / High Potency Manufacturing Suite
Allowing Customer PM / Technical Personnel to Be Stationed On-Site

Serve with Heart Build Future Together

BD@yaohaibio.cn

www.yaohai-bio.com.cn/downloadfile



Yaohai Bio-Pharma

Microbial Biologics CRDMO



Scan to Follow Us

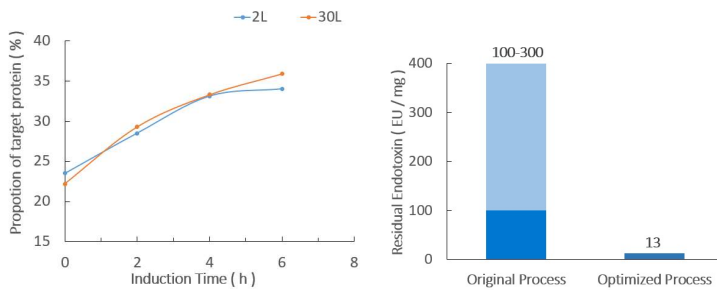


YAOHAI BIO-PHARMA

The First and Largest CRDMO in Microbial Expression Systems in Greater China

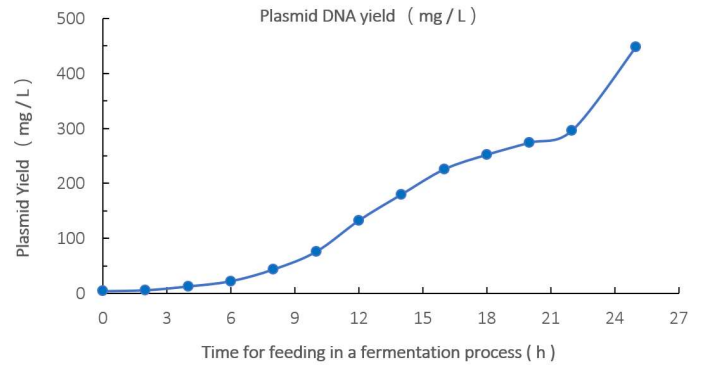
Case 1. Recombinant VLP Vaccine

| Customer's Need | Deliverables |
|--|--|
| <ul style="list-style-type: none"> Endotoxin level < 150 EU / mg | <ul style="list-style-type: none"> Residual endotoxin level < 13 EU / mg Key indicators process scaled to 30 L Protein purity > 98% |



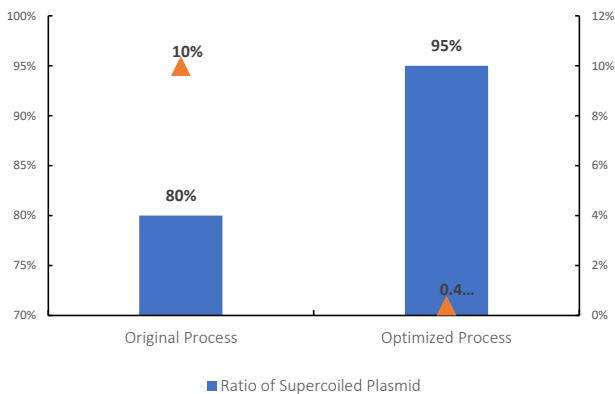
Case 2. Plasmid DNA

| Customer's Need | Deliverables |
|---|--|
| <ul style="list-style-type: none"> High plasmid DNA yield High supercoiling ratio | <ul style="list-style-type: none"> Plasmid DNA yield scaled up to 450 mg / L Plasmid supercoiling ratio exceeded client's expectations |



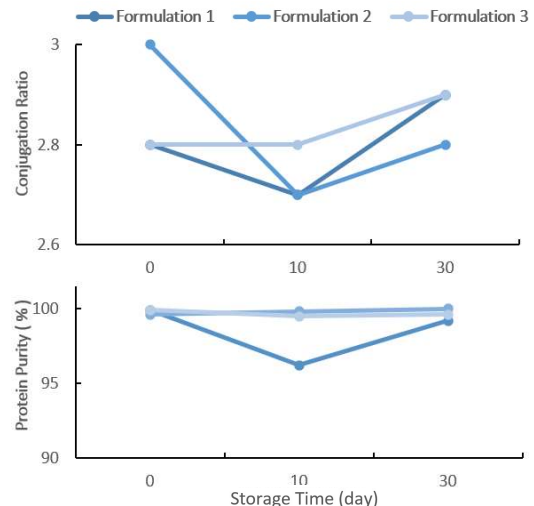
Case 3. DNA Vaccine

| Customer's Need | Deliverables |
|--|--|
| <ul style="list-style-type: none"> Control HCD < 1 % Proportion of superhelix plasmid > 90 % | <ul style="list-style-type: none"> Proportion of supercoiling > 95 % HCD residue reduced to 0.4 % HCP and endotoxin residues met quality standards |



Case 4. VLP Conjugation Vaccine

| Customer's Need | Deliverables |
|--|--|
| <ul style="list-style-type: none"> Formulation development Asepsis filling | <ul style="list-style-type: none"> Stable formulation (including adjuvants) Scalable formulation process |



Serve with Heart Build Future Together

BD@yaohaibio.cn

www.yaohai-bio.com.cn/downloadfile