

SAIF Talk

ISSUE 21 | FEB 2021

 **SAIF ZONE**
هيئة المنطقة الحرة لمطار الشارقة الدولي
HARJAH AIRPORT INTERNATIONAL FREE ZONE AUTHORITY

WHERE
BUSINESSES

CONNECT &
GROW

TECHINVENTION JOINS THE FIGHT AGAINST COVID-19

TECHINVENTION'S UNIQUE AND INTEGRATED APPROACH FOR RECOMBINANT VACCINE AND MONOCLONAL ANTIBODY/IES COULD BE THE SOLUTION THE WORLD IS LOOKING FOR.

As the enormous scale of the humanitarian and economic impact of the COVID-19 pandemic continues to cause repercussions across the globe, Techinvention Lifecare FZE, established in the UAE in 2019 with the primary objective of enabling Novel Essential Biologics in the emerging markets and developing world, is offering a unique and integrated approach for recombinant vaccine and monoclonal antibody/ies to combat the current challenges of vaccine development.

The approach includes the development of recombinant subunit combination vaccine (CoviTech™) and fully humanized monoclonal antibodies (Techmab™) against COVID-19 using Techinvention's established *Pichia pastoris* platform for both the approaches. The platform is clinically proved and well established. This encompasses the therapeutic as well as a prophylactic approach against the disease.

Advantages of the process:

1. No need for a dedicated manufacturing facility
2. Possible to manufacture other Recombinant yeast-based

vaccines on a campaign basis

3. No requirement of high containment for manufacturing (Upstream process BSL 2 & Downstream Process BSL 1)
4. High yield and productivity, cost-effective process, and product development
5. Ease of scale-up
6. Molecule homogeneity post-translational modifications
7. Stable production strain
8. Novel Adjuvant

Techinvention believes this integrated approach is the need of the hour for low- and middle-income countries to ensure equitable access at an affordable price point, and that together, the vaccine and monoclonal antibodies will provide a relatively comprehensive combination to tackle and control the spread and progress of COVID-19.

Techinvention have filed a couple of patents and trademarks for these products.



Struggling to source Covid - 19 vaccine?

Striving to access essential vaccines?

Isn't it Time to Manufacture your Own?

Connect with us on : Connect with us on : connect@techinvention.biz for Comprehensive, Compliant & Cost effective Solutions.
www.techinvention.biz