

VACCINES AND CG PHARMA BIOTECH

Your system-relevant supplier
for COVID-19 vaccines



We produce 16 products for the production of COVID-19 vaccines, they are used from cleaning of production equipment to process solutions in the vaccine.

Your challenge - our solution

PRODUCTS

CG Pharma Biotech

Vaccine production

mRNA vaccine

ELUTION BUFFERS

for substance purification (downstream process)

mRNA ACTIVE INGREDIENT

CITRATE BUFFERS

Scrubbing solution for lipid nanoparticles (LNPs)

LIPIDS

TRIS BUFFERS

Formulation of RNA lipid nanoparticles (LNPs)

Molecules form a protective capsule around the RNA, support transport and protect the RNA from being broken down.

SUCROSE

in Tris buffers – Cryoprotectant for formulation of RNA lipid nanoparticles (LNPs)

SUCROSE SOLUTION

This is a protective shell that ensures that the lipids do not stick together at cold storage temperatures.

PHOSPHATE-BUFFERED SALINE (PBS)

Ingredient to regulate pH value to match the human organism

WATER FOR INJECTION



PROCESS SOLUTIONS FOR DOWNSTREAM APPLICATIONS

Sanitisation, CIP medium, membrane cleaning of the production facilities

Vector vaccine



GENE-BASED VACCINES

Source:
www.pharma-fakten.de

- 1 **Vector vaccine:** A harmless virus transports the "blueprint" for the antigen into the human cells.
- 2 Following the vaccination, the body's own cells take on producing the antigen.
- 3 The immunocytes recognise this and build up protection.

mRNA vaccines: The genetic code of the antigen is produced as a vaccine.

**WHAT CAN WE DO FOR YOU?
WE ARE HERE FOR YOU.**

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