

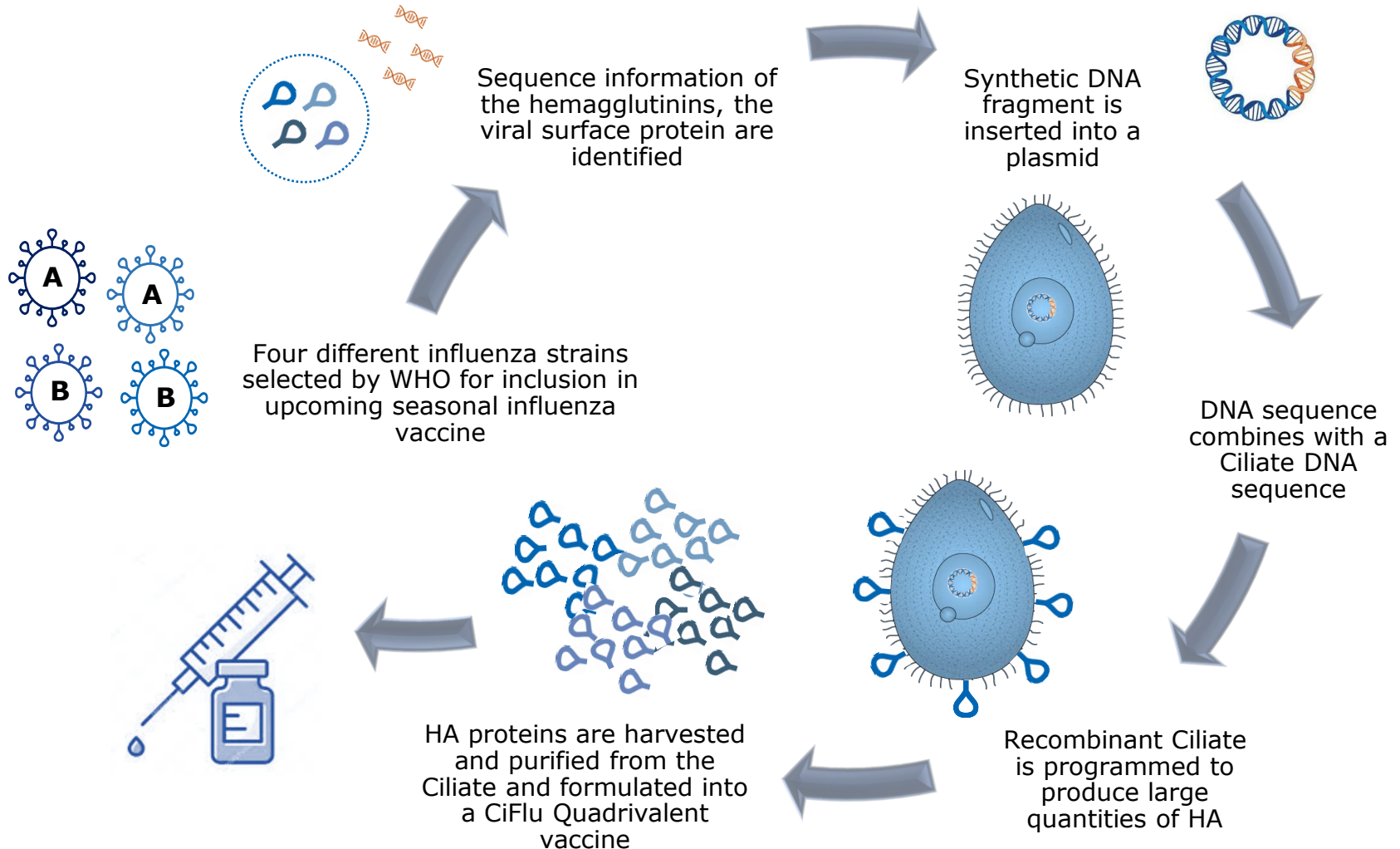
# **CiFlu - recombinant Influenza vaccine**

A subunit vaccine for the treatment of seasonal and pandemic Flu



# CiFlu - How it is made

Using the genetic information of the major antigen of the virus recombinant cells are generated which are now able to produce the antigen. This antigens are highly purified and formulated into a Quadrivalent influenza vaccine



## **Increased Safety and Efficacy**

- Less side effects expected
- No egg components
- Quadrivalent to protect against four different flu viruses
- No changes in hemagglutinin antigen sequence that can lead to reduced vaccine effectiveness

## **Advantages of our innovative recombinant DNA technology**

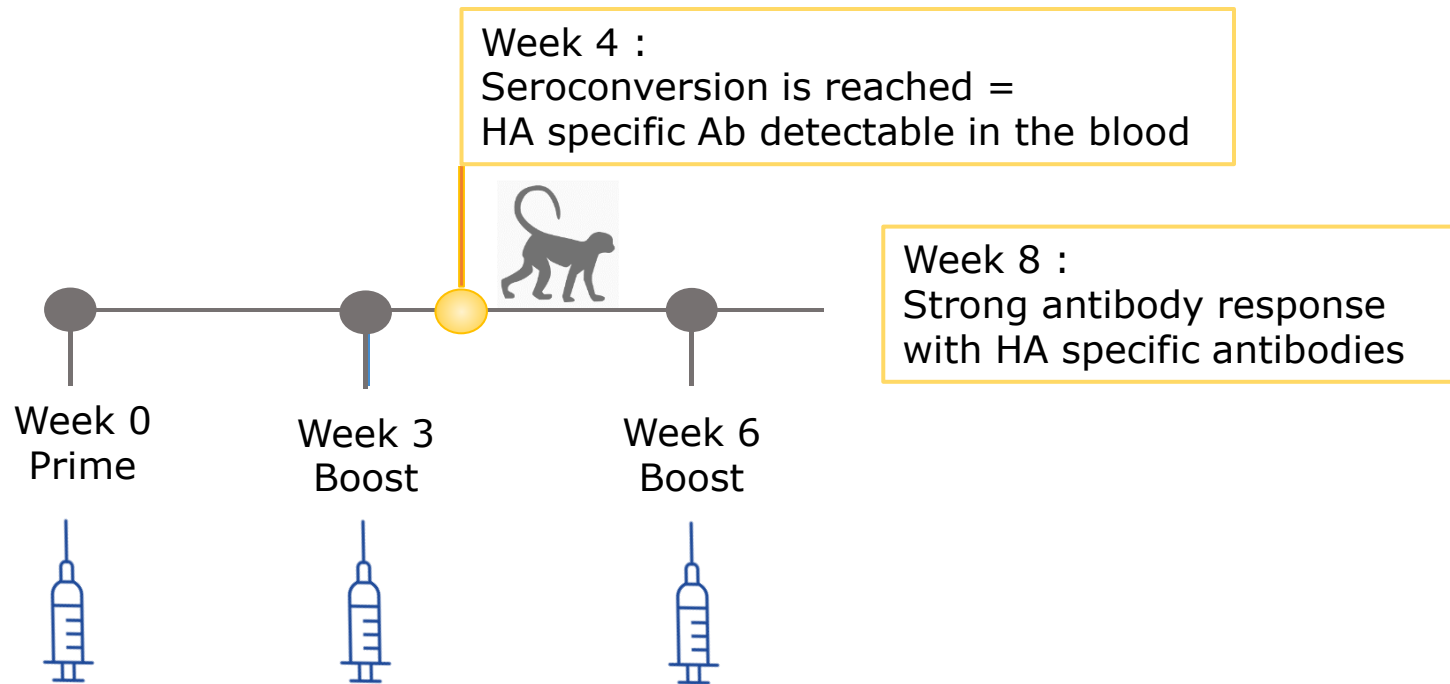
- Fast scalability in the event of a pandemic as conventional microbial production facilities can be used
- No virus involved
- No biocontainment facilities required
- No embryonated chicken eggs required
- No formalin inactivation or organic extraction procedures

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## Proven *in vivo* Efficacy in non-human primates:

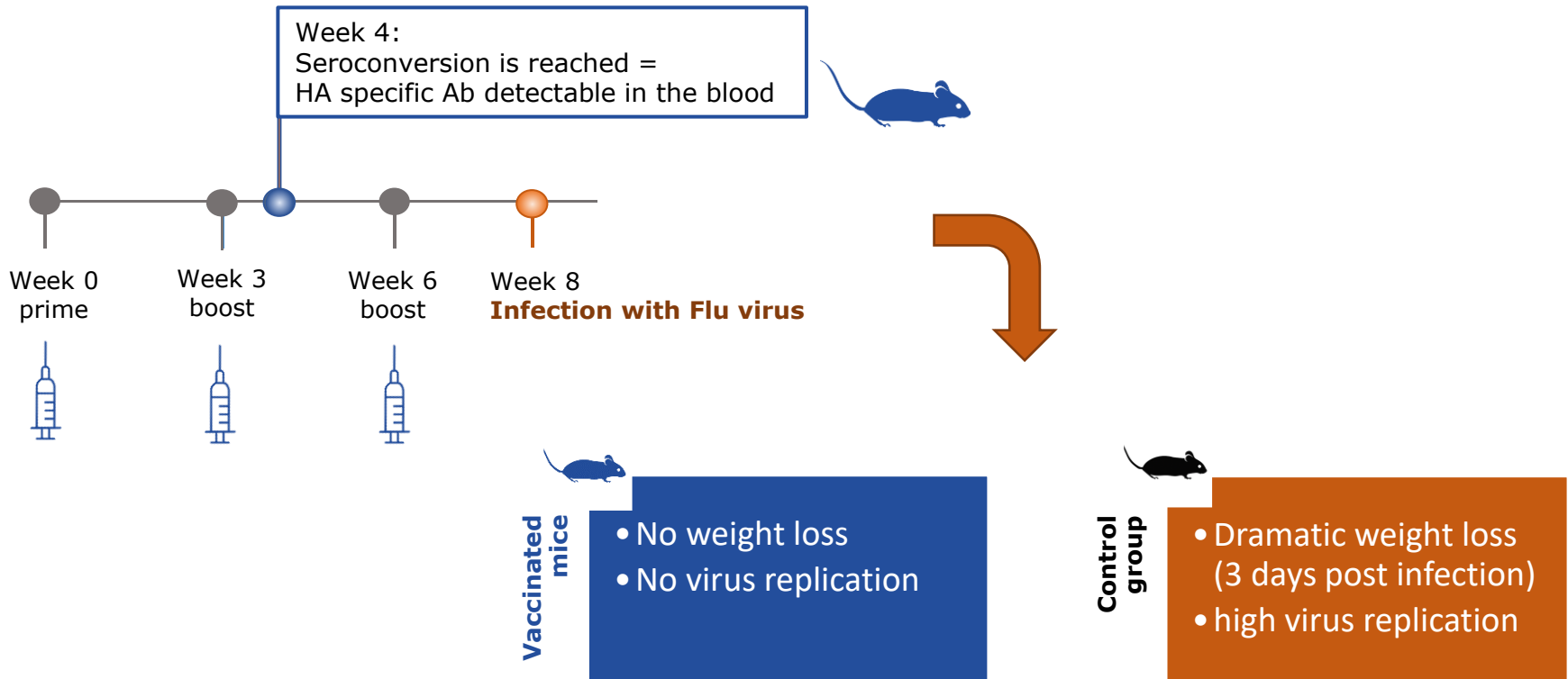
Vaccination of Macaques with HA (hemagglutinin) produced in Ciliates induces strong antibody response



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## Vaccination with CiFlu<sup>®</sup> protects mice from Flu-Infection:



**For Questions regarding CiFlu contact us directly:**

**[info@cilian.de](mailto:info@cilian.de)**

