Sanofi Pasteur’s Flublok Quadrivalent (Influenza Vaccine) is manufactured using an egg-free, recombinant DNA platform that produces an exact genetic match to the binding proteins (hemagglutinin) found on the surface of the influenza virus.

1. Hemagglutinin, the proteins or antigens found on the surface of the influenza virus, are identified from the recommended virus strains for inclusion in the upcoming seasonal influenza vaccine.

2. The antigens are transcribed into a DNA sequence.

3. That DNA sequence is inserted into a plasmid.

4. The DNA sequence in the plasmid combines with a baculovirus DNA.

5. The recombinant baculoviruses transport the newly imported sequence into the proprietary host cells.

6. The host cells are reprogrammed to rapidly produce large quantities of the antigens.

7. The antigens are separated and collected from the host cells, purified, and formulated as Flublok Quadrivalent vaccine.

8. The antigens stimulate the body’s immune system to produce antibodies that can help neutralize the influenza virus when a person is exposed to the disease.

Flublok Quadrivalent vaccine is the only recombinant protein-based influenza vaccine approved by the U.S. Food and Drug Administration (FDA).

INDICATION FOR FLUBLOK QUADRIVALENT VACCINE

Flublok Quadrivalent vaccine is given to people 18 years of age and older to help prevent influenza disease caused by influenza A and B strains contained in the vaccine.

IMPORTANT SAFETY INFORMATION FOR FLUBLOK QUADRIVALENT VACCINE

Flublok Quadrivalent vaccine should not be given to anyone who has had a severe allergic reaction (eg, anaphylaxis) after a previous dose of the vaccine or to any component of the vaccine.

Tell your health care professional if you have ever experienced Guillain-Barré syndrome (severe muscle weakness) after a previous dose of influenza vaccine. If you notice any other problems or symptoms following vaccination, please contact your health care professional immediately.

The most common side effects to Flublok Quadrivalent vaccine include tenderness and pain where the shot was given, headache, fatigue, muscle aches, and joint pain. Other side effects may occur. Vaccination with Flublok Quadrivalent vaccine may not protect all individuals.

Please see the full Prescribing Information for Flublok Quadrivalent vaccine.

References
1 Flublok Quadrivalent vaccine [Prescribing Information] Meriden, CT: Protein Sciences Corporation.