

## **DOCUMENTATION FOR VACCINES PRODUCED FROM ANIMAL CELLS CONTAINING RESIDUAL ANIMAL CELL DNA AND/OR CELL PROTEINS:**

### **1. Medical Study “Issues Associated With Residual Cell-substrate DNA in Viral Vaccines”**

Li Sheng-Fowler 1, Andrew M Lewis Jr, Keith Peden

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<https://pubmed.ncbi.nlm.nih.gov/19285882/>

Sheng-Fowler, Lewis, and Peden state, “The presence of some residual cellular DNA derived from the production-cell substrate in viral vaccines is inevitable.”

### **2. Ingredients in cell-based flu vaccines, recombinant flu vaccines, and egg-based flu vaccines are the following (<https://vaccines.procon.org/vaccine-ingredients-and-manufacturer-information/>):**

#### **Cell-Based Flu Vaccines**

According to the manufacturer’s insert, Flucelvax contains MDCK cell protein (canine), MDCK DNA (canine)

#### **Recombinant Flu Vaccines**

According to the manufacturer’s insert, Flublok contains Baculovirus and spodoptera frugiperda (insect/moth) cell proteins, baculovirus and cellular DNA

#### **Egg-Based Flu Vaccines**

All egg-based flu vaccines contain ovalbumin which is chicken egg protein from the allantoic fluid of the fertilized chicken egg).