

First, a bit of news on the recent influenza epidemic -- Earlier this year, there was an outbreak of HPAI H5N1 among U.S. dairy cattle, spreading across herds and causing fatal infections among some cats on affected farms, and spilling over into poultry. What was especially concerning was the four reported infections among dairy workers. A couple of days ago, NIH released a study on this H5N1 strain. [Click here to read more](#)

Secondly, news on new COVID strains -- Currently, the KP.3, KP.2, and KP.1.1 strains are responsible for more than half the new cases, while the new highly transmissible LB.1 strain accounts for 1 in 10 cases. These variants are all descendants of the Omicron variant JN.1.

[Click here to read more](#)

2024-2025 Influenza Vaccine Composition

The World Health Organization (WHO) announced the recommended composition of influenza virus vaccines for use in the 2024-2025 northern hemisphere influenza season. [Click here for the webpage link.](#)

According to the recommendation, the egg-based trivalent vaccine should contain

- an [A/Victoria/4897/2022 \(H1N1\)pdm09-like virus](#);
- an [A/Thailand/8/2022 \(H3N2\)-like virus](#); and
- a [B/Austria/1359417/2021 \(B/Victoria lineage\)-like virus](#).

and the recombinant -based trivalent vaccine should contain

- an [A/Wisconsin/67/2022 \(H1N1\)pdm09-like virus](#);
- an [A/Massachusetts/18/2022 \(H3N2\)-like virus](#); and
- a [B/Austria/1359417/2021 \(B/Victoria lineage\)-like virus](#).

(Each is linked to the corresponding recombinant HA protein we've produced).

In addition, our pseudoviral particles for influenza strains will be available soon. Please stay tuned.

We have generated tools for studying SARS-CoV-2 and host interaction, and for validating or screening for the neutralizing antibodies. Check out the list of [Cell Lines and Pseudoviral Particles](#) we offer.

We also provide [Pseudovirus Neutralization Assay Service](#). Please contact us at info@eEnzyme.com.