First pre-pandemic vaccine to fight bird flu

The world's first wide-spectrum pre-pandemic vaccine against bird flu is intended for use in the early stages of a flu pandemic. Developed by GlaxoSmithKline, Prepandrix triggers an immune response to several strains of the H5N1 virus which could precipitate a human flu pandemic

How H5N1 virus can mutate and infect humans

Genome: Virus has its genetic. blueprint contained in eight seaments of RNA (ribonucleic acid) When two different viral types infect same host

cell RNA can reassort, creating new strain HOST CELL RNA New strain has segments potential to spread between humans

Prepandrix

Influenza

vaccine

Virus

Adiuvant

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Prepandrix vaccine uses special additive, an adjuvant, which allows very low dose of active ingredient to be used in each shot

In trials, vaccine offered protection against four distinct H5N1 strains, Vietnam, 96%; Indonesia, 77%; Anhui (China), 75%; and Turkey, 85%