

# GM chickens make anti-cancer drugs

UK scientists have developed genetically modified chickens capable of laying eggs containing proteins needed to make cancer-fighting drugs. The team, at the institute that cloned Dolly the sheep, has produced five generations of birds that can produce life-saving proteins in egg whites

**1 Chicken embryo:** Virus used to infect very early embryos. Virus inserts genetic material into DNA of embryos in newly laid eggs

**2 Hatchlings:** Male chicks incorporate modified DNA in their semen

**3 Breeding:** Transgenic cockerels mate with normal hens. Desired proteins are secreted into whites of eggs

**4 Drug production:** Proteins extracted and purified

Source: Proceedings of the National Academy of Sciences

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