COVID-19 vaccines and treatments in development using cells from aborted babies

The University of Oxford

ChAdOx1 and AZD1222 uses aborted baby cells HEK-293
www.ncbi.nlm.nih.gov/pmc/articles/PMC5516308/

www.ncbi.nlm.nih.gov/pmc/articles/PMC3396660/

Partnership with Merck Germany:
https://www.prnewswire.com/in/news-releases/merck-supports-jenner-institute-to-reach-first-milestone-in-covid-19-vaccine-manufacturing-891225678.html

Partnership with AstraZeneca AZD1222:
https://www.astrazeneca.com/content/astraz/media-centre/press-releases/2020/astrazeneca-and-oxford-university-announce-landmark-agreement-for-covid-19-vaccine.html

Vaccine name change:
https://www.precisionvaccinations.com/vaccines/azd1222-sars-cov-2-vaccine

Johnson & Johnson/Janssen Tech.

Ad-Vac uses aborted baby cells PER.C6
www.jnj.com/johnson-johnson-announces-a-lead-vaccine-candidate-for-covid-19-landmark-new-partnership-with-u-s-department-of-health-human-services-and-commitment-to-supply-one-billion-vaccines-worldwide-for-emergency-pandemic-use

www.janssen.com/infectious-diseases-and-vaccines/patented-technologies

Johnson & Johnson/Emergent Biosolutions
https://investors.emergentbiosolutions.com/news-releases/news-release-details/emergent-biosolutions-signs-agreement-be-us-manufacturing?field_nir_news_date_value%5bmin%5d=

Moderna and NIAID

mRNA-1273 using aborted baby cells HEK-293 in Dev. & Testing; **NIAID using HEK-293** in Spike Protein
www.nejm.org/doi/full/10.1056/NEJMoa2022483

www.nature.com/articles/s41586-020-2622-0

http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=%2Fnetahtml%2FPTO%2Fsrchnum.htm&r=1&f=G&l=50&s1=10,583,203.PN.&OS=PN/10,583,203&RS=PN/10,583,203

www.biocentury.com/article/304254/moderna-novavax-among-biotechs-working-on-novel-virus-but-vaccine-at-least-a-year-out

https://science.sciencemag.org/content/367/6483/1260.full

Inovio Pharmaceuticals

INO-4800 uses aborted baby cells HEK-293
MERS-HCoV Patent no. 10,548,971
http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=%2Fnetahtml%2FPTO%2Fsrchnum.htm&r=1&f=G&l=50&s1=10,548,971.PN.&OS=PN/10,548,971&RS=PN/10,548,971

CanSino Biologics

Ad5-nCoV
www.cansinotech.com/html/1///179/180/408.html

Using HEK 293 cells (See page 25)
http://www.jshealth.com/jgzn/zzjg/ymlcpjs/ymlcpjs_gzdt/201612/W020161214426550507006.pdf

University of Pittsburgh

Using aborted baby cells HEK-293
https://pittsburgh.cbslocal.com/2020/04/02/universit y-of-pittsburgh-medical-school-coronaviruspotential-vaccine-unveiled/

Linked in the article: Materials and Methods
https://www.thelancet.com/pdfs/journals/ebiom/PIIS2352-3964(20)30118-3.pdf

Altimmune

Intranasal vaccine proprietary technology uses aborted baby cells PER.C6
www.globenewswire.com/news-release/2020/02/28/1992600/0/en/Altimmune-Completes-First-Development-Milestone-Toward-a-Single-Dose-Intranasal-COVID-19-Vaccine.html

Patent:
http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=%2Fnetahtml%2FPTO%2Fsrchnum.htm&r=1&f=G&l=50&s1=10,183,069.PN.&OS=PN/10,183,069&RS=PN/10,183,069

Massachusetts Eye and Ear

AAV Covid Adenovirus vector using aborted baby cells HEK-293
http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&p=1&u=%2Fnetahtml%2FPTO%2Fsearch-bool.html&r=12&f=G&l=50&co1=AND&d=PTXT&s1=Vandenberghe&OS=Vandenberghe&RS=Vandenberghe

Lindsley F. Kimball Research Institute, New York Blood Center and Beijing Institute of Microbiology and Epidemiology

Uses aborted baby cells HEK-293
https://www.nature.com/articles/s41423-020-0400-4#Sec1