

COVID Vaccines - Use of Aborted Fetal Tissue

Unless otherwise noted, data was sourced from (vaccines produced in China, Russia and Asia are not listed herein):

<https://lozierinstitute.org/update-covid-19-vaccine-candidates-and-abortion-derived-cell-lines/>

Warp Speed Participants

Manufacturer	Method of Action / Carrier	Aborted Fetal Tissue Used in Production	Aborted Fetal Tissue Used in Testing	Comments
Sanofi / GlaxoSmithKline	Protein based / Insect virus	NO	NO	Sanofi originally planned to test using aborted fetal tissue, but permanently changed their policy. [1]
Sanofi / Pasteur	mRNA / Lipid nanoparticle	NO	NO	mRNA = messenger RNA
Merck / IAVI	RCSP / rVSV	NO	NO [5]	RCSP = Replication Competent Spike Protein. rVSV = recombinant Vesicular Stomatitis Virus, a livestock virus.
Moderna	mRNA / Lipid nanoparticle	NO	YES	
Pfizer / BioNTech	mRNA / Lipid nanoparticle	NO	YES	
Novavax	Protein based / Insect virus	NO	YES	
Johnson & Johnson / Janssen	RDSP / Common Cold Virus	YES	YES	RDSP = Replication Deficient Spike Protein.
AstraZenica	RDSP / Common Cold Virus	YES	YES	
Inovio	DNA / Plasmid	NO	YES	It is possible for DNA vaccines to modify patient DNA. [2]

[1] <https://angelusnews.com/news/life-family/global-biotech-company-ends-use-of-aborted-fetal-cell-lines-for-vaccines/>

[2] <https://www.hcs.harvard.edu/hghr/online/dna-vaccines/>

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Other Vaccine Developers / Manufacturers

Manufacturer	Method of Action / Carrier	Aborted Fetal Tissue Used in Production	Aborted Fetal Tissue Used in Testing	Comments
John Paul II Medical Research Institute	Live Attenuated Virus	NO	NO [6]	Attenuated = reduced potency suitable for vaccination.
CureVac	mRNA / Lipid nanoparticle	NO	NO	Partially funded by The Bill & Melinda Gates Foundation. [4]
Institut Pasteur / Themis / Merck / Pittsburgh U.	RCSP / Measles virus	NO	NO [5]	RCSP = Replication Competent Spike Protein.
Sorrento	Protein based / human immunoglobulin	NO	NO [5]	Questionable for large-scale use since human immunoglobulin must be obtained from human donors.
Arcturus	mRNA / Lipid nanoparticle	NO	YES	mRNA = messenger RNA
Altimune	RDSP / Common Cold Virus	YES	YES	RDSP = Replication Deficient Spike Protein.
Vaxart	RDSP / Common Cold Virus	YES	YES	
University of Pittsburgh	Protein based / Common Cold Virus	YES	YES	
University of Queensland	Protein based / molecular clamp	NO	UNKNOWN	A molecular clamp locks the spike protein into a shape which allows the immune system to recognize and then neutralize the virus. [3]
Symvivo	DNA / gastrointestinal bacteria	NO	UNKNOWN	It is possible for DNA vaccines to modify patient DNA. [2]

[3] <https://www.uq.edu.au/news/article/2020/04/international-partnership-progresses-uq-covid-19-vaccine-project>

[4] <https://www.cnn.com/2020/08/14/investing/curevac-ipo-coronavirus-vaccine-bill-melinda-gates/index.html>

[5] Email correspondence with developer / manufacturer.

[6] <https://www.jp2mri.org/research-overview>