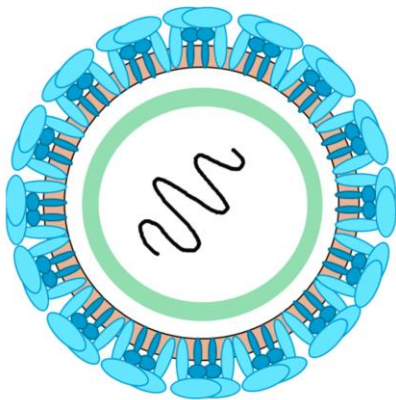


Virus-Like Particles (VLPs)

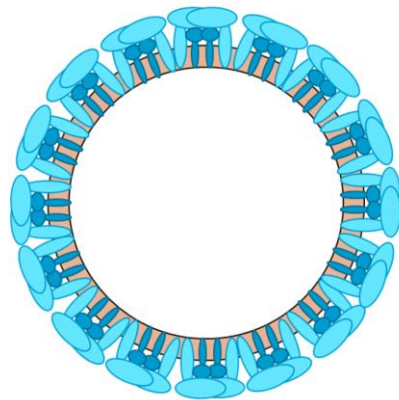
Virus-like particles (VLPs) are molecules that have virus-like structure but are non-infectious because they contain no viral genetic material.

Comparing to live viruses, VLPs are replication-deficient and are not able to infect cells because they are empty and do not have infectious genetic materials. For this reason, VLPs are safer and represent one of the most exciting emerging technologies. This technology is gaining in popularity in many fields including vaccination, nanotechnology, diagnostics and gene therapy.

Creative Biogene has established an excellent platform for producing VLP with high quality. Using our proprietary platform, we have produced a range of VLPs and is developing more.



Infectious Virion



Non-infectious VLP

Subcategories

- VLPs of Dangerous Viruses (Virus Null Shell)
- VLPs of Membrane Proteins (Lipoparticles)
- VLPs of AAVs (AAV Empty Capsids)

Product Performance

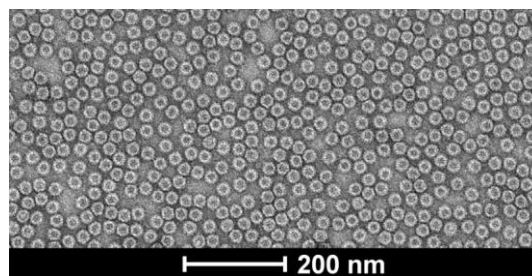


Figure 1. Characterization of AAV9 VLPs by transmission electron microscopy (TEM)

Product List

VLPs of Dangerous Viruses (Virus Null Shell)	
Cat#	Product Name
VLP-0001	Chikungunya Virus-Like Particle
VLP-0002	Dengue Virus-Like Particle (Serotype 1)
VLP-0003	Dengue Virus-Like Particle (Serotype 2)
VLP-0004	Dengue Virus-Like Particle (Serotype 3)
VLP-0005	Dengue Virus-Like Particle (Serotype 4)
VLP-0007	Ebola Virus-Like Particle
VLP-0008	Japanese Encephalitis Virus-Like Particle
VLP-0009	Mayaro Virus-Like Particle
VLP-0010	Norovirus-Like Particle (GI.1)
VLP-0011	Norovirus-Like Particle (GII.4)
VLP-0012	O'nyong'nyong Virus-Like Particle
VLP-0013	Parvovirus VP2 Virus-Like Particle
VLP-0014	Rubella Virus-Like Particle
VLP-0015	Zika Virus-Like Particle
VLP-0016	Wild Type SARS-CoV-2 Virus-Like Particle

VLPs of Membrane Proteins (Lipoparticles)	
Cat#	Product Name
VLP-N-00001	Human CCR1 Virus-Like Particles
VLP-N-00002	Human CCR2 Virus-Like Particles
VLP-N-00003	Human CCR5 Virus-Like Particles
VLP-N-00004	Human CCR6 Virus-Like Particles
VLP-N-00005	Human CXCR3 Virus-Like Particles
VLP-N-00006	Human CXCR4 Virus-Like Particles
VLP-N-00007	Mouse CXCR4 Virus-Like Particles
VLP-N-00008	Human GLP1R Virus-Like Particles
VLP-N-00009	Human HVCN1 Virus-Like Particles
VLP-N-00010	Human TRPC4 Virus-Like Particles
VLP-N-00011	Human KCNK1 Virus-Like Particles
VLP-N-00012	Human MS4A1 Virus-Like Particles
VLP-N-00013	Human CLDN1 Virus-Like Particles
VLP-N-00014	Human CLDN4 Virus-Like Particles
VLP-N-00015	Human CD19 Virus-Like Particles
VLP-N-00016	Human CD27 Virus-Like Particles
VLP-N-00017	Human TNFSF15 Virus-Like Particles
VLP-N-00018	Human CD81 Virus-Like Particles

VLPs of Membrane Proteins (Lipoparticles)

Cat#	Product Name
VLP-N-00019	Human ABCA1 Virus-Like Particles
VLP-N-00020	Human SLC2A1 Virus-Like Particles
VLP-N-00021	Human CD20 Virus-Like Particles
VLP-N-00022	Human CCR8 Virus-Like Particles
VLP-N-00023	Human CLDN18-A2 Virus-Like Particles
VLP-N-00024	Human CLDN18-A2-GFP Virus-Like Particles
VLP-N-00025	Human GPRC5D Virus-Like Particles
VLP-N-00026	Human GPRC5D-GFP Virus-Like Particles
VLP-N-00027	Human HCAR1 Virus-Like Particles
VLP-N-00028	Human CLDN6 Virus-Like Particles
VLP-N-00029	Human CCR4 Virus-Like Particles
VLP-N-00030	Human CD24 Virus-Like Particles
VLP-N-00031	Human CLDN18-A1 Virus-Like Particles
VLP-N-00033	Human SSTR2 Virus-Like Particles
VLP-N-00034	Human SMO Virus-Like Particles
VLP-N-00035	Human CD20-GFP Virus-Like Particles
VLP-N-00036	Human PROM1 Virus-Like Particles
VLP-N-00037	Human ADORA2A Virus-Like Particles
VLP-N-00038	Human EDNRB Virus-Like Particles
VLP-N-00039	Human CXCR5 Virus-Like Particles
VLP-N-00040	Human CNR1 Virus-Like Particles
VLP-N-00041	Human ADGRG1 Virus-Like Particles
VLP-N-00042	Human F2R Virus-Like Particles
VLP-N-00032	Isotype Control Virus-Like Particle

VLPs of AAVs (AAV Empty Capsids)

Cat#	Product Name
VLP-AAV001	AAV1 Virus-Like Particles (Empty Capsids)
VLP-AAV002	AAV2 Virus-Like Particles (Empty Capsids)
VLP-AAV003	AAV5 Virus-Like Particles (Empty Capsids)
VLP-AAV004	AAV6 Virus-Like Particles (Empty Capsids)
VLP-AAV005	AAV8 Virus-Like Particles (Empty Capsids)
VLP-AAV006	AAV9 Virus-Like Particles (Empty Capsids)
VLP-AAV007	AAV3 Virus-Like Particles (Empty Capsids)
VLP-AAV008	AAV-Retro Virus-Like Particles (Empty Capsids)
VLP-AAV009	AAV-DJ Virus-Like Particles (Empty Capsids)
VLP-AAV010	AAV-DJ/8 Virus-Like Particles (Empty Capsids)

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Virus-Like Particles (VLPs)

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