

CLASSIFICATION OF MEDICALLY IMPORTANT VIRUSES

Genetic Material	Genome Structure	Genome Arrangement	Envelope Status	Nucleocapsid shape	Viral family	Virus
RNA	dsRNA		Naked	Icosahedral	Reovirus	Reovirus
					Reovirus	Rotavirus
					Reovirus	Colorado Tick fever
	ssRNA	+ssRNA	Enveloped	Icosahedral	Flavivirus	Yellow fever
					Flavivirus	Dengue
					Flavivirus	St. Louis EV
					Flavivirus	Hepatitis C
					Togavirus	Rubella
					Togavirus	Western Equine EV
		Togavirus	Eastern Equine EV			
		Togavirus	Venezuelan EV			
		Retrovirus	HIV			
		Retrovirus	HTLV			
		Coronavirus	Seasonal			
		Coronavirus	SARS-CoV-1			
		Coronavirus	MERS			
		Coronavirus	SARS-CoV-2 (COVID-19)			
		Calcivirus	Norwalk agent			
		Calcivirus	Nobo like			
		Hepevirus	Hepatitis E			
Picornavirus		Polio virus				
		Enteroviruses				
	Echovirus					
	Coxsackie A & B					
	Rhinovirus					
	Hepatitis A					
	-ssRNA	Enveloped	Helical	Paramyxoviridae	Mumps	
				Paramyxoviridae	Measles	
Paramyxoviridae				RSV		
Paramyxoviridae		Human metapneumovirus				
Paramyxoviridae		Parainfluenza				
Rhabdovirus		Rabies				
Filovirus	Marburg					
	Filovirus	Ebola				
	Orthomyxovirus	Influenza				
Ambisense	Enveloped	Helical	Arenavirus	Lassa		
			Arenavirus	Lymphocytic choriomeningitis		
			Arenavirus	California EV		
	Bunyavirus	LaCrosse EV				
	Bunyavirus	Hantavirus				
dsDNA	Circular	Enveloped	Icosahedral	Hepadnavirus: Hepatitis B		
		Naked	Icosahedral	Papillomaviridae		
	Linear	Enveloped	Icosahedral	Polymaviridae	BK Virus	
				Polymaviridae	BK Virus	
				Herpesviridae	Herpes Simplex 1,2	
				Herpesviridae	Varicella Zoster	
		Herpesviridae	Epstein-Barr			
		Herpesviridae	Cytomegalovirus			
		Herpesviridae	Herpes Virus 6			
		Herpesviridae	Herpes Virus 8			
Complex	Poxviridae	Variola				
		Vaccinia				
		Molluscum contagiosum				
ssDNA		Naked	Icosahedral	Adenoviridae	Adenovirus	
		Naked	Icosahedral	Parvoviridae	Parvovirus B19	