

Characteristics of the Nucleic Acid of Human Viruses

Virus	Nature of Nucleic Acid	Size(Kb or Kbp)	Strandedness	Structure	Segments	Polarity	Infectivity of Naked Nucleic Acid
Poxvirus	DNA	130-280	Double	Linear, crosslinked	1		-
Herpesvirus	DNA	130-220	Double	Linear	1		+
Adenovirus	DNA	36	Double	Linear	1		+
Papovavirus	DNA	5,8	Double	Supercoiled circular	1		+
Hepadnavirus	DNA	3	Double	Linear cohesive end	1		-
Parvovirus	DNA	5	Single	Linear	1	+, -	+
Picornavirus	RNA	7	Single	Linear	1	+	+
Calicivirus	RNA	8	Single	Linear	1	+	+
Togavirus	RNA	12	Single	Linear	1	+	+
Flavivirus	RNA	11	Single	Linear	1	+	+
Coronavirus	RNA	27	Single	Linear	1	+	+
Reovirus	RNA	23	Double	Linear	10,11		-
Rhabdovirus	RNA	11	Single	Linear	1	-	-
Filovirus	RNA	13	Single	Linear	1	-	-
Paramyxovirus	RNA	15	Single	Linear	1	-	-
Orthomyxovirus	RNA	14	Single	Linear	8	-	-
Bunyavirus	RNA	14	Single	Linear, cohesive	3	-	-
Arenavirus	RNA	11	Single	Linear, cohesive	2	-	-
Retrovirus	RNA	5-9	Single	Linear	2*	+	-