

	Sample Identifier	Passage History	Parent Sample Identifier	Parent Strain Name
Input Type	Text Field	Text Field	Text Field	Text Field
Definition	Identifier assigned to the virus used to create the reagent	Description of the passage history of the virus strain	A series of identifiers referencing the parent virus or viruses used to create the reagent	The name of the parent strains used to create the reverse genetic or reassortant virus strain
Format	Center-specific Allowed characters include alphanumeric, hyphen, and underscore: a-z, A-Z, 0-9, -, _ Maximum length: 50 characters	Text Maximum length: 50 characters	Maximum of eight comma-separated Sample_Identifier. Allowed characters include alphanumeric, hyphen, and underscore: a-z, A-Z, 0-9, -, _ Maximum length: 800 characters	Eight comma-separated Strain_Names Antigenic Type/Host of Origin/Geographical Origin/Strain Number/Year of Isolation (Subtype) Maximum length: 800 characters
Value List	Text NA	Text X	Text U NA	Text U NA
Curation	It should match with the Sample_Identifier provided in related data submissions.	To indicate a change in passage history at one institution, combine passage host and number: E5/C2 To indicate a change in passage history for samples between users or institutions, separate passage host and number with a slash '/': E5/C2	Each Sample_Identifier provided must match with a Sample_Identifier provided in related data submissions. For virus reagents derived from a surveillance sample, provide the Sample_Identifier of the surveillance record. For reverse genetic or reassortant virus reagents, provide the Sample_Identifier associated with each gene segment in the following comma-separated order: PB2, PB1, PA, HA, NP, NA, NP, NS	The entry must list a value for each of the eight gene segments. Strain_Names for each gene segment must be listed in the following comma-separated order: PB2, PB1, PA, HA, NP, NA, MP, NS Strain_Names must follow WHO strain naming convention.
Examples	21145-001a	E3, E2/C2, EX, or E5/C2	13250,13250,U,21145,13250,21145,13250,13250, or NA	A/Puerto Rico/8/1934 (H1N1),A/Puerto Rico/8/1934 (H1N1),U,A/Puerto Rico/8/1934 (H1N1),A/Puerto Rico/8/1934 (H1N1),A/Vietnam/1203/2004 (H5N1),A/Puerto Rico/8/1934 (H1N1),A/Puerto Rico/8/1934 (H1N1), or NA
Notes	Enter NA if the reagent is not related to a surveillance submission.	Indicate lab host and number of passages: E = Embryonated chicken eggs C = MDCK cells S = MDCK-SIAT cells M = Monkey kidney cells For other hosts, write out common name and include passage number e.g., Mouse2, E(duck)1, 293T1. Use X if the host or passage number is unknown, e.g., EX, CXE2. Enter X if passage history information is unknown. Enter NA if virus was not passaged. Additional information relating to viral passaging can be entered in the Comments field.	If the reagent is a reverse genetic or reassortant virus, eight comma-separated entries must be present. If an individual Sample_Identifier is unknown, enter U for the specific gene segment. Enter NA once if the strain is not a reverse genetic or reassortant virus.	The Strain_Name for each segment of the reverse genetic or reassortant virus must be named. If an individual Strain_Name is unknown, enter U for the specific gene segment. Enter NA once if the strain is not a reverse genetic or reassortant virus.
Dependent Fields			Parent Strain Name	Parent Sample Identifier
Validation	Validate field length	Validate field length	Validate field length	Validate field length
Message Code	Error_70_INVALID_FIELD_LENGTH	Error_70_INVALID_FIELD_LENGTH	Error_70_INVALID_FIELD_LENGTH	Error_70_INVALID_FIELD_LENGTH
Validation			Fields Parent_Sample_Identifier and Parent_Strain_Name must have same number of values	Fields Parent_Sample_Identifier and Parent_Strain_Name must have same number of values
Message Code			Error_63_INVALID_NUMBER_ENTRIES	Error_63_INVALID_NUMBER_ENTRIES
Validation				Count number of segments. It should be 8
Message Code				Error_1_INVALID_VALUE
Validation				If Parent_Sample_Identifier is NA then Parent_Strain_Name should be NA
Message Code				Error_1_INVALID_VALUE
Validation				Host of origin element of strain name must be alphanumeric, underscore, dash, period, or single quote: a-z, A-Z, 0-9, -, ., _
Message Code				Error_137_INVALID_HOST_SPECIES_STRAIN_TEXT
Validation				Geographical origin element of strain name must be alphanumeric, underscore, dash, period, or single quote: a-z, A-Z, 0-9, -, ., _
Message Code				Error_138_INVALID_LOCATION_STRAIN_TEXT
Validation				Strain number element of strain name must be alphanumeric, underscore, dash, or period: a-z, A-Z, 0-9, -, .
Message Code				Error_139_INVALID_STRAIN_NUMBER_STRAIN_TEXT
Validation				Year of isolation element of strain name must be 4-digit year.
Message Code				Error_110_INVALID_STRAIN_YEAR
Validation				If strain is influenza A, subtype must be present as text between parentheses.
Message Code				Error_112_INVALID_STRAIN_SUBTYPE
Validation				Year of isolation element of strain name must be 4-digit year.
Message Code				Error_110_INVALID_STRAIN_YEAR
Validation				If strain is influenza A, subtype must be present as text between parentheses.
Message Code				Error_112_INVALID_STRAIN_SUBTYPE
Validation				Brackets cannot be present if strain does not have rg- prefix.
Message Code				Error_119_INVALID_STRAIN_BRACKETS
Validation				If included, the strain must have a matched pair of opening and closing brackets or parentheses.
Message Code				Error_158_INVALID_STRAIN_OPEN_BRACKETS
Validation				The strain must have four or five elements separated by a slash '/' character.
Message Code				Error_159_INVALID_NUMBER_OF_STRAIN_ELEMENTS

