

DPCC Data Standard Reference for Antibody Reagent v1.2

	Project_Identifier	Contributing_Institution	Reagent_Name	Sample_Identifier
Input Type	Text Field	Text Field	Text Field	Text Field
Definition	A unique Project Identifier generated by the DPCC by combining the Center-generated Project Code and a random 4-digit number	The institution code for the group that CREATED THE REAGENT. Must be one of the CEIRS institution codes assigned by NIAID.	Name of the reagent assigned by the investigator	Identifier assigned to the virus used to create the reagent
Format	Project_Code_XXXX Maximum length: 21 characters	Center three-letter code followed by three digits. Maximum length: 6 characters	Text Maximum length: 150 characters	Center-specific Allowed characters include alphanumeric, hyphen, and underscore: a-z, A-Z, 0-9, -, _ Maximum length: 50 characters
Value List	None	None	None	Text NA
Curation	The entry must be a Project Identifier value registered with the DPCC.	The entry must be an Institution Code value registered with the DPCC. Center 3-letter codes are case-sensitive and must be entered in all-caps.	None	It should match with the Sample_Identifier provided in related data submissions.
Examples	SJCProj02_4001	SJC101	F225.2	21145-001a
Notes				Enter NA if the reagent is not related to a surveillance submission.
Dependent Fields				
Validation	Project_Identifier should be a valid project identifier.	Must be an Institution Code value registered with the DPCC	Validate field length	Validate field length
Message Code	Error_9_PROJECT_NOT_FOUND	Error_1_INVALID_VALUE	Error_70_INVALID_FIELD_LENGTH	Error_70_INVALID_FIELD_LENGTH
Validation	Project_Identifier exists but user does not have permission to access or edit the project.			
Message Code	Error_4_DENIED_USER_ACCESS			
Validation				
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	Strain_Name	Antibody_Type	Purification
Input Type	Text Field	Text Field	Text Field
Definition	The WHO strain name of the virus that was used to create the reagent	Description of the type of antibody or antiserum	Description of the purification of the monoclonal or polyclonal antibody
Format	Antigenic Type/Host of Origin/Geographical Origin/Strain Number/Year of Isolation (Subtype) rg-Antigenic Type/Host of Origin/Geographical Origin/Strain Number/Year of Isolation [rg details] (Subtype) Maximum length: 150 characters	Text Maximum length: 3 characters	Text Maximum length: 3 characters
Value List	Text U NA	ATS HAS MAB PAB	IGA IGG IGM IGY TIG NA U
Curation	WHO strain naming convention: Fields must be ordered as follows and separated with the '/' character: 1. The antigenic type (e.g., A, B, C, D) 2. The host of origin (e.g., swine, equine, chicken. For human-origin viruses, no host of origin designation is given.) 3. Geographical origin (e.g., Denver, Taiwan) 4. Strain number (e.g., 15, 7) 5. Year of isolation (e.g., 2009, 1934) 6. For influenza A viruses, the hemagglutinin and neuraminidase antigen description in parentheses (e.g., (H1N1), (H3N2)) If the strain is a reverse genetic virus, prefix Strain_Name with rg- . Provide reverse genetic details in brackets between year of isolation and subtype. Enter NA if the reagent is not related to a virus strain.	The entry must be one and only one member of the Value List. Values are case-sensitive and must be entered in all-caps.	The entry must be one and only one member of the Value List. Values are case-sensitive and must be entered in all-caps. Enter NA if reagent is ATS or HAS. Enter U if purification is unknown.
Examples	A/Hong Kong/1/1968 (H3N2), A/chicken/Fujian/4/2002 (H3N6), A/chicken/Fujian/4/2002 (HxNx), A/chicken/Fujian/4/2002 (mixed), A/swine/Iowa/233-56/2011 (H3N2v), A/duck/Alberta/35/1976 (H1N1), B/Hong Kong/432/2014, C/Texas/19876/2011, rg-A/Puerto Rico/8/1934 (H1N1), or rg-A/Egypt/N03072/2010 [PR8 internal R 6+2] (H5N1)	MAB	IGA
Notes	Reference: http://www.cdc.gov/flu/about/viruses/types.htm (HxNx) can be used in cases where a partial subtype has been determined (e.g., H5Nx). If there are mixed subtypes contained within a sample use A/chicken/Fujian/4/2002 (mixed) for Strain_Name or list multiple comma-separated Strain_Names: A/mallard/Alaska/2/2007 (H3N8), A/mallard/Alaska/2/2007 (H3N9). For other virus types, enter the common Strain_Name.	ATS = Antiserum HAS = Hyperimmune antiserum MAB = Monoclonal antibody PAB = Polyclonal antibody	IGA = IgA IGG = IgG IGM = IgM IGY = IgY TIG = Total Ig NA = Not Applicable U = Unknown
Dependent Fields		Purification, Specificity	Antibody_Type
Validation	Validate field length	Field value should be one of valid values as in list.	Field value should be one of valid values as in list.
Message Code	Error_70_INVALID_FIELD_LENGTH	Error_1_INVALID_VALUE	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	Brackets cannot be present if strain does not have rg- prefix.		
Message Code	Error_119_INVALID_STRAIN_BRACKETS		

