



# EPPO-Q-bank

A database to support plant pest diagnostic activities

## EPPO-Q-bank minimum Metadata

23-28195

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The minimum metadata listed below should be available in EPPO-Q-bank or in an accessible database referred to in EPPO-Q-bank. Some disciplines may require additional metadata.

The list of all the metadata that can be uploaded in EPPO-Q-bank is available in Appendix 1.

**Table 1. Minimum meta-data for EPPO-Q-bank specimens**

Subject	Metadata	Comments
<b>General information</b>	Species name	Scientific name with link to EPPO Code
	Specimen/strain/isolate code	
<b>Sampling</b>	Country of sampling <sup>1</sup>	Sampling location refers to where the sample was taken. In this field, indicate the country.
	Country of origin for imported material/organism <sup>1</sup>	Location from where the organism/consignment was imported (≠ sampling location)
<b>Identification</b>	Identified by	Name of the person who identified the specimen/strain/isolate or of the organization in which it was identified.
<b>Collection</b>	Code in collection <sup>2-3</sup>	Code to identify the specimen/strain/isolate in the specific collection
	Collection name <sup>3</sup>	Name of the collection

<sup>1</sup>at least one of the metadata should be available.

<sup>2</sup> may be the same as the specimen/strain/isolate code.

<sup>3</sup> not required when the specimen/sequences were added to EPPO-Q-bank but are not available in collections.

Additional minimum metadata required for bacteria and for virology:

Subject	Metadata	Comments
<b>Sampling</b>	Substrate from which the specimen / isolate / strain was isolated or collected	Scientific name if plant or vector
	Sampling/isolation date	Date of sampling. At least year.



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## Appendix 1: Metadata fields in EPPO-Q-bank

	<b>Descriptor</b>		<b>Explanation</b>
<b>General information</b>	<b>Specimen / strain / isolate ID/name</b>	Specimen ID	EPPO-Q-bank internal ID - not visible to users
		Specimen code	Decided by the provider/curator
	<b>Species ID/name</b>	Species ID	EPPO-Q-bank internal ID - not visible to users
		Species preferred name	Species to which the specimen is attached to (i.e. not metadata per say)
	<b>Specimen description</b>	Other specimen code	Code given to the specimen in other database (e.g. GenBank)/ publications
		Developmental stage of the specimen	Only arthropods, plants (phenology information), nematodes
		Sex of the specimen	Arthropods, plants, nematodes
		Taxonomic status	(e.g. epitype, holotype)
	-	Mode of transmission	Information regarding the vectors or other mode of transmission (i.e. seed, grafting, mechanical transmission) of the specimen
	-	References	Any relevant references (first description of the specimen, publication using the specimen sequences...) Preferred format: Authors (year) title. Journal. Volume, pages. Url. doi number
-	Additional information on the specimen	Anything relevant to add on the specimen (phylotypes)	
<b>Sampling</b>	<b>Origin</b>	Country of sampling	Sampling location refers to where the sample was taken. In this field, indicate the country.
		Subnational information on sampling location	Sampling location refers to where the sample was taken. In this field, indicate any more precise information regarding sampling location including locality
		Geographic coordinates of sampling location	Sampling location refers to where the sample was taken. In this field, indicate the geographic coordinates of sampling location
		Additional information on sampling location	Sampling location refers to where the sample was taken. In this field, indicate any other information regarding sampling location.
		Country of origin for imported consignments/organism	Location from where the organism/consignment was imported (≠ sampling location)
	<b>Substrate from which the specimen / isolate / strain was isolated or</b>	Matrix/Substrate type	Type of substrate/matrix from which the specimen was collected/isolated (e.g. plant, soil, water, air, vector, other (add information in additional information field))
		Scientific name if plant or vector	If substrate is plant or a vector specify the scientific name from which the specimen was



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	collected		isolated
			Additional information on substrate
	Symptoms / disease observed on host plants	Associated disease	Disease associated with the strain/population/isolate/specimen
		Symptoms observed on host plant	Symptoms observed prior to and/or during collection on the host plant
	-	Sampling/isolation date	Date of sampling. At least year.
	-	Collector name	Name of the person who sampled the specimen or the item from which the specimen/strain/isolate/population was isolated (preferred order: Family name then first (given) name)
	-	Additional collectors' names	
	-	Code given by the collector	Original specimen code allocated by the collector
Identification	-	Identified by	Name of the person(s) who identified the specimen/strain/isolate sequenced or the organization in which it was identified.
	-	Identification date	Date of the identification
	-	Identification method	<b>Test</b> (method x matrix x target organism) used for first identification including morphological and morphometrical methods
	Remarks on identification	Remarks on molecular methods	Any remark on the use of molecular methods to identify / detect this specimen/isolate/strain
		Remarks on serology	Any remark on the use of serological methods to identify / detect this specimen/isolate/strain
	Remarks on test-plant reactions	Any remark on the use of test-plant reactions performed with this specimen/isolate/strain	
Collection	Collection information specific to the specimen	Code in collection	Code to identify the specimen in the specific collection
		Link to collection	Link to the specimen on the collection website
		Isolate synonyms (history)	Code(s) in collection(s) from which the isolate was obtained before (history)
		Date of deposit in collection	Date of deposit in collection
		Propagation/maintenance conditions	Propagation/maintenance conditions (fixative solution, maintenance/propagation host, greenhouse, petri-dish with fungi, microplots, carrot disks, culture media, mounting media)
		Type of material in collection	Type of material available in the collection
		Deposited by name	Name of the person who deposited the current collection item. At least the name (and the organization)



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		Other contributors	Credits for the persons that provided the data (different from collector and person who identified the specimen).	
	<b>General information on the collection</b>	Collection name	Name of the collection	
		Contact organization	Name of the organization managing the collection	
		Contact person	Person to contact to obtain information about a specimen in the collection	
		Contact email	E-mail of the person to contact to obtain information about a specimen in the collection	
		Website	Collection website	
	Other collections information	Collection names	Collection names	
		Herbarium names	Herbarium names	
	Nagoya protocol/other legal restrictions		Additional indication from the provider whether this material is subject to any restrictions under the Nagoya Protocol or CBD or any other restriction such as Material Transfer Agreement .	