

### Fields in the Plasmodium Samples sheet

Num	Field Name	Format	Units	Range of Values	Description	Mandatory	Notes
7	Study Sample Id	Text	-	-	Code used by your study to reference the sample	Yes	
8	Species	Text	-	[P. falciparum, P. vivax, Plasmodium Mixed, Other]	Species of the organism to be analyzed	Yes	If you choose "Other", please enter species in the "Notes" field.
9	Collection date	DD-MMM-YYYY	-	-	Date when sample was collected from patient	Yes	
10	Collection Location	Text	-	Must be in column L1 of the Locations sheet.	Id of the location (village, town, clinic, etc.) where the sample was collected (see Locations sheet)	Yes	The ID to be entered here must be the id specified in column L1 of one of the locations listed the Locations sheet.
11	Day after admission	Number	days	-	Day from date of admission when the sample was collected	Yes	Enter 0 for a sample take on admission (Day 0).
12	Parasitaemia	Percentage	%	-	Percentage parasitemia at time of collection	Yes, if measured	Enter "N/A" if the parasitemia was not measured for this patient.
13	Clinical Severity	Text	-	[Uncomplicated, Severe, Non-symptomatic]	Severity of the malaria case	Yes	
14	Time spent in culture	Number	days	-	Number of days the parasite was in culture	Yes	Enter 0 is sample was not cultured (i.e. directly extracted from patient blood)
15	Sample Volume	Decimal	uL	-	The volume of the sample sent	Yes	
16	Sample Type	Text	-	[Extracted DNA, Other]	Physical type of sample submitted	Yes	If you choose "Other", contact samples@malariagen.net <b>before sending</b> to ensure the sample can be processed, and enter type in the "Notes" field.
17	Date of DNA extraction	DD-MMM-YYYY	-	-	Date when the sample DNA was extracted	Yes, if DNA extracted	
18	DNA concentration	Decimal	ng/uL	>75	Concentration of the extracted DNA in the sample	Yes, if DNA extracted	
19	Total DNA	Decimal	ng	-	Amount of extracted DNA in the sample	Yes, if DNA extracted	
20	DNA quantification method	Text	-	[Picogreen, Other]	Method used for DNA quantification	Yes, if DNA extracted	Picogreen preferred. If you choose "Other", please enter method in the "Notes" field.
21	WBC Depletion Method	Text	-	[CF11, Plasmodipur, Lymphoprep, Other, None]	Method used to deplete white blood cells	Yes	If you choose "Other", please enter type in the "Notes" field.
22	Relationship to other sample	Text	-	[None, Replicate, Recurrence]	Relationship to another sample in the same study (may have been submitted in a different batch)	Yes	Use "None" unless this is a replicate, or a recurring infection in a patient for which sample has been submitted. "Replicate" is a technical replicate: same blood sample, separate processing (give details in the "Notes").
23	Related sample	Text	-	-	Sample Id used by the study to reference the related sample	See above	Only provide this ID if "Relationship to other sample" is not "None"
24	Patient Id	Text	-	-	Code used by the submitting study to reference the patient	No	Do not use a code that can be used to identify the patient directly (e.g. patient name). Used to cross-reference related samples, if provided.
25	Notes	Text	-	-	Explanatory notes about the sample	No	

### Fields in the Locations sheet

Num	Field Name	Format	Units	Range of Values	Description	Mandatory	Notes
L1	Location Id	Text	-	-	Code used to reference the location	Yes	
L2	GPS Coordinates	Latitude, Longitude	-	-	GPS coordinates encoded as: latitude,longitude (e.g. 16.593733, 98.599503)	Yes if available	You should be able to enter this value in the search field of Google Maps and view the location
L3	Country	Text	-	-	Country of the location	Yes	
L4	Clinic/Health Centre	Text	-	-	Name of clinic of health facility at the location	No	
L5	Location/Village	Text	-	-	Location name (village, town, etc.)	Yes	
L6	District	Text	-	-	District of the location	Yes	Specify a district name that represents an official division recognized by the country's government, using standard spelling.
L7	Province/State	Text	-	-	Province/state of the location	Yes	Specify a province/state name as recognized by the country's government, using standard spelling.
L8	Notes	Text	-	-	Explanatory notes about the location	No	