

Sample Sheet examples

These pages contain examples on how to enter accurate information into the online database.

If you are not able to find a particular sample type or situation in these lists please contact the lab at laboratory@smsl.co.nz and ask for help. They are there to support your job.

The GPS coordinates must be obtained using the WGS84 datum and expressed in Latitude-Longitude (DMS). Coordinates must be entered in the online database following this format:

Latitude / GPS North: 36 58 21.42 S
Longitude / GPS East: 174 47 11.01 E

The examples that are for routine surveillance assume that the GPS coordinates would be in the online database already as all routine sites need to have GPS coordinates recorded.

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Tyre Trap – Positive sample

Notes: This tyre trap is located in a port of entry (POE) and is part of a mosquito routine surveillance programme. The trap is checked once a week.

Reason for Sampling:				
Routine Surveillance	400m Survey	Mega Survey	Interception	Delimiting survey
Other:				

Positive/Negative Sample	
Positive	Negative

Sample Type:		
Adult	Larvae and/or Pupae	Other:

Habitat Category:				
Trap Option	Artificial Container	Natural Container	Flowing Stream	Lake Edge
Intermittent Ephemeral Puddle	Swamp/Marsh	Subterranean Habitat - Natural	Subterranean Habitat – Artificial	
Ponded Stream	Permanent Pond	Temporary Pond	Rock Pool	

Total Dips	Positive Dips
1	1

Trap Type	Trap Nights
Tyre Trap	7

Temperature	Precipitation	Cloud Cover	Wind Speed (Km/h) and direction
6°C	No Rain	Clear	10Km/h NW

Control/treatment	Attractants
S-methoprene	Water

GPS East	GPS South
Already saved in the database	Already saved in the database

Tyre Trap – Negative sample

Notes: This tyre trap is part of an International Airport mosquito routine surveillance and is checked once a week.

Reason for Sampling:				
Routine Surveillance	400m Survey	Mega Survey	Interception	Delimiting survey
Other:				

Positive/Negative Sample		Sample Type:		
Positive	Negative	Adult	Larvae and/or Pupae	Other:

Habitat Category:				
Trap Option	Artificial Container	Natural Container	Flowing Stream	Lake Edge
Intermittent Ephemeral Puddle	Swamp/Marsh	Subterranean Habitat - Natural	Subterranean Habitat – Artificial	
Ponded Stream	Permanent Pond	Temporary Pond	Rock Pool	

Total Dips	Positive Dips
1	0

Trap Type	Trap Nights
Tyre Trap	7

Temperature	Precipitation	Cloud Cover	Wind Speed (Km/h) and direction
13°C	Light Rain	Overcast	8Km/h W

Control/treatment	Attractants
S-methoprene	Water

GPS East	GPS South
Already saved in the database	Already saved in the database

CO₂ Baited Light Trap – Positive sample

Notes: This light trap is part of a POE routine surveillance and is checked every three days.

Reason for Sampling:				
Routine Surveillance	400m Survey	Mega Survey	Interception	Delimiting survey
Other:				

Positive/Negative Sample	
Positive	Negative

Sample Type:		
Adult	Larvae and/or Pupae	Other:

Habitat Category:				
Trap Option	Artificial Container	Natural Container	Flowing Stream	Lake Edge
Intermittent Ephemeral Puddle	Swamp/Marsh	Subterranean Habitat - Natural	Subterranean Habitat – Artificial	
Ponded Stream	Permanent Pond	Temporary Pond	Rock Pool	

Total Dips	Positive Dips
N/A	N/A

Trap Type	Trap Nights
CO2 Baited Light Trap	3

Temperature	Precipitation	Cloud Cover	Wind Speed (Km/h) and direction
11°C	No Rain	Moderate Cloud	23Km/h E

Control/treatment	Attractants
-	CO2 & Light

GPS East	GPS South
Already saved in the database	Already saved in the database

CO₂ Baited Light Trap – Negative sample

Notes: This light trap was set up after NZB confirmed the interception of an exotic *Culex* mosquito in a transitional facility.

Reason for Sampling:				
Routine Surveillance	400m Survey	Mega Survey	Interception	Delimiting survey
Other: Enhanced Surveillance				

Positive/Negative Sample	
Positive	Negative

Sample Type:			
Adult	Larvae and/or Pupae	Other:	

Habitat Category:				
Trap Option	Artificial Container	Natural Container	Flowing Stream	Lake Edge
Intermittent Ephemeral Puddle	Swamp/Marsh	Subterranean Habitat - Natural	Subterranean Habitat – Artificial	
Ponded Stream	Permanent Pond	Temporary Pond	Rock Pool	

Total Dips	Positive Dips
N/A	N/A

Trap Type	Trap Nights
CO ₂ Baited Light Trap	3

Temperature	Precipitation	Cloud Cover	Wind Speed (Km/h) and direction
26°C	No Rain	Clear	1Km/h SE

Control/treatment	Attractants
	CO ₂ & Light

GPS East	GPS South
174 52 27.43 E	41 13 38.87 S

Interception – positive for exotic mosquitoes

Notes: MPI contacted you about a mosquito found in a container from foreign origin. The sample was identified as an exotic mosquito.

Reason for Sampling:				
Routine Surveillance	400m Survey	Mega Survey	Interception	Delimiting survey
Other:				

Positive/Negative Sample	
Positive	Negative

Sample Type:		
Adult	Larvae and/or Pupae	Other:

Habitat Category:				
Trap Option	Artificial Container	Natural Container	Flowing Stream	Lake Edge
Intermittent Ephemeral Puddle	Swamp/Marsh	Subterranean Habitat - Natural	Subterranean Habitat – Artificial	
Ponded Stream	Permanent Pond	Temporary Pond	Rock Pool	

Total Dips	Positive Dips
N/A	N/A

Trap Type	Trap Nights
Not a Trap	

Temperature	Precipitation	Cloud Cover	Wind Speed (Km/h) and direction
16°C	Moderate Rain	Overcast	5Km/h S

Control/treatment	Attractants

GPS East	GPS South
174 54 19.26 E	41 12 36.90 S

Suspected Interception – Mosquito found alive

Notes: MPI contacted you about a mosquito found alive while checking a pellet of bananas from Ecuador in the MPI search room. Preliminary ID of the mosquito suggests *Culex* sp. You have sent the sample to the lab and are awaiting final identification.

Reason for Sampling:				
Routine Surveillance	400m Survey	Mega Survey	Interception	Delimiting survey
Other: Suspected Interception				

Positive/Negative Sample		Sample Type:		
Positive	Negative	Adult	Larvae and/or Pupae	Other:

Habitat Category:				
Trap Option	Artificial Container	Natural Container	Flowing Stream	Lake Edge
Intermittent Ephemeral Puddle	Swamp/Marsh	Subterranean Habitat - Natural	Subterranean Habitat – Artificial	
Ponded Stream	Permanent Pond	Temporary Pond	Rock Pool	

Total Dips	Positive Dips
N/A	N/A

Trap Type	Trap Nights
Not a Trap	

Temperature	Precipitation	Cloud Cover	Wind Speed (Km/h) and direction
8°C	Light Rain	Moderate Cloud	35Km/h E

Control/treatment	Attractants

GPS East	GPS South
174 46 35.76 E	41 16 42.34 S

Suspected Interception – non-mosquitoes detected

Notes: MPI contacted you about a suspected mosquito found in a container from foreign origin. The sample was identified in the NZB Entomology Laboratory as a fungus gnat

Reason for Sampling:				
Routine Surveillance	400m Survey	Mega Survey	Interception	Delimiting survey
Suspected Interception				

Positive/Negative Sample		Sample Type:		
Positive	Negative	Adult	Larvae and/or Pupae	Other:

Habitat Category:				
Trap Option	Artificial Container	Natural Container	Flowing Stream	Lake Edge
Intermittent Ephemeral Puddle	Swamp/Marsh	Subterranean Habitat - Natural	Subterranean Habitat – Artificial	
Ponded Stream	Permanent Pond	Temporary Pond	Rock Pool	

Total Dips	Positive Dips
N/A	N/A

Trap Type	Trap Nights
Not a Trap	

Temperature	Precipitation	Cloud Cover	Wind Speed (Km/h) and direction
22°C	No Rain	Clear	10Km/h NE

Control/treatment	Attractants
S-methoprene	Water

GPS East	GPS South
174 46 54.44 E	41 17 26.10 S

GAT trap – Positive sample

Notes: This GAT (Gravid *Aedes* Trap) trap is part of a routine surveillance programme and is checked every 14 days as it is winter.

Reason for Sampling:				
Routine Surveillance	400m Survey	Mega Survey	Interception	Delimiting survey
Other:				

Positive/Negative Sample	
Positive	Negative

Sample Type:		
Adult	Larvae and/or Pupae	Other:

Habitat Category:				
Trap Option	Artificial Container	Natural Container	Flowing Stream	Lake Edge
Intermittent Ephemeral Puddle	Swamp/Marsh	Subterranean Habitat – Natural	Subterranean Habitat – Artificial	
Ponded Stream	Permanent Pond	Temporary Pond	Rock Pool	

Total Dips	Positive Dips
N/A	N/A

Trap Type	Trap Nights
GAT Trap - Adult	14

Temperature	Precipitation	Cloud Cover	Wind Speed (Km/h) and direction
-2°C	Snow	Overcast	15Km/h S

Control/treatment	Attractants
Barrier Spray	Water

GPS East	GPS South
Already saved in the database	Already saved in the database

GAT trap – Negative sample

Notes: This GAT (Gravid *Aedes* Trap) trap is part of a routine surveillance programme and is checked every 7 days.

Reason for Sampling:				
Routine Surveillance	400m Survey	Mega Survey	Interception	Delimiting survey
Other:				

Positive/Negative Sample		Sample Type:		
Positive	Negative	Adult	Larvae and/or Pupae	Other:

Habitat Category:				
Trap Option	Artificial Container	Natural Container	Flowing Stream	Lake Edge
Intermittent Ephemeral Puddle	Swamp/Marsh	Subterranean Habitat - Natural	Subterranean Habitat – Artificial	
Ponded Stream	Permanent Pond	Temporary Pond	Rock Pool	

Total Dips	Positive Dips
N/A	N/A

Trap Type	Trap Nights
GAT Trap - Adult	7

Temperature	Precipitation	Cloud Cover	Wind Speed (Km/h) and direction
20°C	Light Rain	Moderate Cloud	3Km/h N

Control/treatment	Attractants
Barrier Spray	Water

GPS East	GPS South
Already saved in the database	Already saved in the database

Pond – Positive sample

Note: This pond has been sampled after a member of the public complained that they were being bitten by exotic mosquitoes.

Reason for Sampling:				
Routine Surveillance	400m Survey	Mega Survey	Interception	Delimiting survey
Other: Public Enquiry				

Positive/Negative Sample	
Positive	Negative

Sample Type:		
Adult	Larvae and/or Pupae	Other:

Habitat Category:				
Trap Option	Artificial Container	Natural Container	Flowing Stream	Lake Edge
Intermittent Ephemeral Puddle	Swamp/Marsh	Subterranean Habitat - Natural	Subterranean Habitat – Artificial	
Ponded Stream	Permanent Pond	Temporary Pond	Rock Pool	

Total Dips	Positive Dips
10	8

Trap Type	Trap Nights
Not a Trap	N/A

Temperature	Precipitation	Cloud Cover	Wind Speed (Km/h) and direction
19°C	No Rain	Clear	9Km/h W

Control/treatment	Attractants
<i>Bti</i>	Water

GPS East	GPS South
174 47 3.55 E	41 19 14.66 S

Pond – Negative sample

Note: This pond is located in a high-risk area in a POE and is included in the routine mosquito surveillance programme.

Reason for Sampling:				
Routine Surveillance	400m Survey	Mega Survey	Interception	Delimiting survey
Other:				

Positive/Negative Sample	
Positive	Negative

Sample Type:		
Adult	Larvae and/or Pupae	Other:

Habitat Category:				
Trap Option	Artificial Container	Natural Container	Flowing Stream	Lake Edge
Intermittent Ephemeral Puddle	Swamp/Marsh	Subterranean Habitat - Natural	Subterranean Habitat – Artificial	
Ponded Stream	Permanent Pond	Temporary Pond	Rock Pool	

Total Dips	Positive Dips
10	0

Trap Type	Trap Nights
Not a Trap	N/A

Temperature	Precipitation	Cloud Cover	Wind Speed (Km/h) and direction
16°C	Light Rain	Moderate Cloud	19Km/h E

Control/treatment	Attractants
<i>Bti</i>	Water

GPS East	GPS South
Already saved in the database	Already saved in the database

BG Trap – Positive sample

Note: This BG trap is located inside an International Airport and is checked once a week.

Reason for Sampling:				
Routine Surveillance	400m Survey	Mega Survey	Interception	Delimiting survey
Other:				

Positive/Negative Sample	
Positive	Negative

Sample Type:		
Adult	Larvae and/or Pupae	Other:

Habitat Category:				
Trap Option	Artificial Container	Natural Container	Flowing Stream	Lake Edge
Intermittent Ephemeral Puddle	Swamp/Marsh	Subterranean Habitat - Natural	Subterranean Habitat – Artificial	
Ponded Stream	Permanent Pond	Temporary Pond	Rock Pool	

Total Dips	Positive Dips
N/A	N/A

Trap Type	Trap Nights
BG Trap - Adult	7

Temperature	Precipitation	Cloud Cover	Wind Speed (Km/h) and direction
6°C	No Rain	Clear	10Km/h SE

Control/treatment	Attractants
	BG Lure

GPS East	GPS South
Already saved in the database	Already saved in the database

Artificial Container – Negative sample

Notes: An unkept pool is found near a POE during a 400m survey on neighbouring property.

Reason for Sampling:				
Routine Surveillance	400m Survey	Mega Survey	Interception	Delimiting survey
Other:				

Positive/Negative Sample		Sample Type:		
Positive	Negative	Adult	Larvae and/or Pupae	Other:

Habitat Category:				
Trap Option	Artificial Container	Natural Container	Flowing Stream	Lake Edge
Intermittent Ephemeral Puddle	Swamp/Marsh	Subterranean Habitat - Natural	Subterranean Habitat – Artificial	
Ponded Stream	Permanent Pond	Temporary Pond	Rock Pool	

Total Dips	Positive Dips
10	0

Trap Type	Trap Nights
Not a Trap	N/A

Temperature	Precipitation	Cloud Cover	Wind Speed (Km/h) and direction
11°C	No Rain	Overcast	11Km/h E

Control/treatment	Attractants
<i>Bti</i>	Water

GPS East	GPS South
174 45 10.78 E	41 17 20.58 S

Artificial Container – Positive sample

Notes: A small plastic container was found during a routine surveillance in port. The contents were emptied for mosquito larval inspection. The container was disposed of.

Reason for Sampling:				
Routine Surveillance	400m Survey	Mega Survey	Interception	Delimiting survey
Other:				

Positive/Negative Sample	
Positive	Negative

Sample Type:		
Adult	Larvae and/or Pupae	Other:

Habitat Category:				
Trap Option	Artificial Container	Natural Container	Flowing Stream	Lake Edge
Intermittent Ephemeral Puddle	Swamp/Marsh	Subterranean Habitat - Natural	Subterranean Habitat – Artificial	
Ponded Stream	Permanent Pond	Temporary Pond	Rock Pool	

Total Dips	Positive Dips
1	1

Trap Type	Trap Nights
Not a Trap	N/A

Temperature	Precipitation	Cloud Cover	Wind Speed (Km/h) and direction
18°C	No Rain	Light Cloud	7Km/h SW

Control/treatment	Attractants
	Water

GPS East	GPS South
174 45 59.35 E	41 16 53.22 S

Sump – Positive sample

Notes: A sump was sampled during a 400m survey.

Reason for Sampling:				
Routine Surveillance	400m Survey	Mega Survey	Interception	Delimiting
Other:				

Positive/Negative Sample	
Positive	Negative

Sample Type:		
Adult	Larvae and/or Pupae	Other:

Habitat Category:				
Trap Option	Artificial Container	Natural Container	Flowing Stream	Lake Edge
Intermittent Ephemeral Puddle	Swamp/Marsh	Subterranean Habitat - Natural	Subterranean Habitat – Artificial	
Ponded Stream	Permanent Pond	Temporary Pond	Rock Pool	

Total Dips	Positive Dips
3	2

Trap Type	Trap Nights
Not a Trap	N/A

Temperature	Precipitation	Cloud Cover	Wind Speed (Km/h) and direction
16°C	No Rain	Light Cloud	6Km/h NW

Control/treatment	Attractants
<i>Bti</i>	Water

GPS East	GPS South
174 55 37.67 E	41 15 7.47 S

Natural Container – Positive sample

Notes: A tree hole holding water found during a delimiting survey, after an exotic mosquito was intercepted in a transitional facility.

Reason for Sampling:				
Routine Surveillance	400m Survey	Mega Survey	Interception	Delimiting survey
Other:				

Positive/Negative Sample	
Positive	Negative

Sample Type:		
Adult	Larvae and/or Pupae	Other:

Habitat Category:				
Trap Option	Artificial Container	Natural Container	Flowing Stream	Lake Edge
Intermittent Ephemeral Puddle	Swamp/Marsh	Subterranean Habitat - Natural	Subterranean Habitat – Artificial	
Ponded Stream	Permanent Pond	Temporary Pond	Rock Pool	

Total Dips	Positive Dips
2	1

Trap Type	Trap Nights
Not a Trap	N/A

Temperature	Precipitation	Cloud Cover	Wind Speed (Km/h) and direction
4.8°C	No Rain	Overcast	6Km/h S

Control/treatment	Attractants
<i>Bti</i>	Water

GPS East	GPS South
174 51 58.73 E	41 15 20.86 S