

# Certificate of Participation

## 2019

This is to certify that

### **Vet Food Agro Diagnostics (M) Sdn Bhd**

Participated in the following Microbiology Proficiency Testing Programs

<u>Program</u>	<u>Number of Rounds</u>
Extension Pathogens	1

Wednesday, 15 January 2020



Ingrid Flemming  
Managing Director

## Vet Food Agro Diagnostics (M) Sdn Bhd (Cust Id: C01770)

Participant Part01	Participant Id 198178	Result	Over-Ride	Log10	Median	NIQR	Exclude	ZScore	Evaluation	Comment
<b>Sample: (A) Mixed Matrix</b>										
Count of Vibrio parahaemolyticus (cfu/g) by method: Spread	<10 cfu/ml	<10							✓	
Detection of Campylobacter spp. (per 25g) by method: Enrichment	P								✓	
Detection of Salmonella spp. (per 25g) by method: Enrichment	P								✓	
Detection of Vibrio cholerae (per 25g) by method: Enrichment	A								✓	
Detection of Vibrio parahaemolyticus (per 25g) by method: Enrichment	A								✓	
Detection of Yersinia enterocolitica (per 25g) by method: Enrichment	P								✓	
Identification of Campylobacter species by method: Enrichment	Campylobacter jejuni								✓	
Identification of Vibrio species by method: Enrichment	Not isolated								⊘	
Identification of Yersinia species by method: Enrichment	Yersinia enterocolitica								✓	
<b>Sample: (B) Mixed Matrix</b>										
Count of Vibrio parahaemolyticus (cfu/g) by method: Spread	<10 cfu/ml	<10							✓	
Detection of Campylobacter spp. (per 25g) by method: Enrichment	A								✓	
Detection of Salmonella spp. (per 25g) by method: Enrichment	A								✓	
Detection of Vibrio cholerae (per 25g) by method: Enrichment	P								✓	
Detection of Vibrio parahaemolyticus (per 25g) by method: Enrichment	A								✓	
Detection of Yersinia enterocolitica (per 25g) by method: Enrichment	A								✓	
Identification of Campylobacter species by method: Enrichment	Not isolated								⊘	
Identification of Vibrio species by method: Enrichment	Vibrio cholerae								✓	

## Vet Food Agro Diagnostics (M) Sdn Bhd (Cust Id: C01770)

Participant Part01	Participant Id 198178	Result Name Kalaiwaney							
Test Name	Result	Over-Ride	Log10	Median	NIQR	Exclude	ZScore	Evaluation	Comment
<b>Sample: (B) Mixed Matrix</b>									
Identification of Yersinia species by method: Enrichment	Not isolated							⊘	
<b>Sample: (C) Mixed Matrix</b>									
Count of Vibrio parahaemolyticus (cfu/g) by method: Spread	1700 cfu/ml	1700						✓	
Detection of Campylobacter spp. (per 25g) by method: Enrichment	P							✓	
Detection of Salmonella spp. (per 25g) by method: Enrichment	P							✓	
Detection of Vibrio cholerae (per 25g) by method: Enrichment	A							✓	
Detection of Vibrio parahaemolyticus (per 25g) by method: Enrichment	P							✓	
Detection of Yersinia enterocolitica (per 25g) by method: Enrichment	A							✓	
Identification of Campylobacter species by method: Enrichment	Campylobacter jejuni							✓	
Identification of Vibrio species by method: Enrichment	Vibrio parahaemolyticus							✓	
Identification of Yersinia species by method: Enrichment	Not isolated							⊘	

## Vet Food Agro Diagnostics (M) Sdn Bhd (Cust Id: C01770)

Participant Part02	Participant Id 198179	Result	Over-Ride	Log10	Median	NIQR	Exclude	ZScore	Evaluation	Comment
<b>Sample: (A) Mixed Matrix</b>										
Count of Vibrio parahaemolyticus (cfu/g) by method: Spread	<10 cfu/ml	<10							✓	
Detection of Campylobacter spp. (per 25g) by method: Enrichment	P								✓	
Detection of Salmonella spp. (per 25g) by method: Enrichment	P								✓	
Detection of Vibrio cholerae (per 25g) by method: Enrichment	A								✓	
Detection of Vibrio parahaemolyticus (per 25g) by method: Enrichment	A								✓	
Detection of Yersinia enterocolitica (per 25g) by method: Enrichment	P								✓	
Identification of Campylobacter species by method: Enrichment	Campylobacter jejuni								✓	
Identification of Vibrio species by method: Enrichment	Not isolated								⊘	
Identification of Yersinia species by method: Enrichment	Yersinia enterocolitica								✓	
<b>Sample: (B) Mixed Matrix</b>										
Count of Vibrio parahaemolyticus (cfu/g) by method: Spread	<10 cfu/ml	<10							✓	
Detection of Campylobacter spp. (per 25g) by method: Enrichment	A								✓	
Detection of Salmonella spp. (per 25g) by method: Enrichment	A								✓	
Detection of Vibrio cholerae (per 25g) by method: Enrichment	P								✓	
Detection of Vibrio parahaemolyticus (per 25g) by method: Enrichment	A								✓	
Detection of Yersinia enterocolitica (per 25g) by method: Enrichment	A								✓	
Identification of Campylobacter species by method: Enrichment	Not isolated								⊘	
Identification of Vibrio species by method: Enrichment	Vibrio cholerae								✓	

## Vet Food Agro Diagnostics (M) Sdn Bhd (Cust Id: C01770)

Participant Part02	Participant Id 198179	Result Name Lim Teck Wei							
Test Name	Result	Over-Ride	Log10	Median	NIQR	Exclude	ZScore	Evaluation	Comment
<b>Sample: (B) Mixed Matrix</b>									
Identification of Yersinia species by method: Enrichment	Not isolated							⊘	
<b>Sample: (C) Mixed Matrix</b>									
Count of Vibrio parahaemolyticus (cfu/g) by method: Spread	1650 cfu/ml	1650						✓	
Detection of Campylobacter spp. (per 25g) by method: Enrichment	P							✓	
Detection of Salmonella spp. (per 25g) by method: Enrichment	P							✓	
Detection of Vibrio cholerae (per 25g) by method: Enrichment	A							✓	
Detection of Vibrio parahaemolyticus (per 25g) by method: Enrichment	P							✓	
Detection of Yersinia enterocolitica (per 25g) by method: Enrichment	A							✓	
Identification of Campylobacter species by method: Enrichment	Campylobacter jejuni							✓	
Identification of Vibrio species by method: Enrichment	Vibrio parahaemolyticus							✓	
Identification of Yersinia species by method: Enrichment	Not isolated							⊘	

## Vet Food Agro Diagnostics (M) Sdn Bhd (Cust Id: C01770)

Main Report columns	
Result	Result value as submitted by participant
Over-Ride	Replacement Result value determined by IFM (if required)
Log10	Log value of submitted result (or of Over-Ride, if present)
Median	Median Result value (from statistical analysis)
NIQR	Normalised Inter-Quartile Range (from statistical analysis)
Exclude	X - Result value was not included in the statistical analysis
Performance Indicator columns	
Z-score	= (Result - Median) / NIQR Log or raw results values may be used. Refer main report.
Evaluation	✓ Pass    ✗ Fail Explicitly assigned to Detection and other qualitative test results. May also be assigned to those enumerative test results where a z-score cannot be calculated or is determined to be an inappropriate indicator of performance.
	⊘ Result could not be assessed or test was not assessed by IFM
	Refer to adjacent table for Z-score interpretation symbols

Interpretation of Z-scores	
+3	✗ Outlier
+2	✓ Fair
+1	✓ Good
(Median) 0	⊘ Excellent
-1	✓ Good
-2	✓ Fair
-3	✗ Outlier

The contents of this report must be viewed in conjunction with the information contained within the Main program report.