



Rakuno Gakuen University
School of Veterinary Medicine

WOAH Collaborating Centre
for Food Safety



World Organisation
for Animal Health



WOAH Laboratory Training on AMR Surveillance in Terrestrial / Aquatic Food Animals
Rakuno Gakuen University (RGU) and National Veterinary Assay Laboratory (NVAL), Japan
7th -10th July 2025

7th July 2025

From		To	Content	Resource person
9:15	-	9:30	Registration	RGU
9:30	-	10:00	Opening event	RGU, NVAL and WOA
10:00	-	10:45	Introduction of participants	Dr P. Suwanthada, WOA
10:45	-	11:00	Lecture: Global Database on Antimicrobial Agents Intended for Use in Animals and WOA involvements	Dr P. Suwanthada, WOA
11:00	-	11:30	Prevalence and Antimicrobial Resistance Profiles of Escherichia coli in Frozen Chicken Meat in Fiji	Lata Deepika Darshani (PhD student, RGU and WOA Focal Point for Laboratory, Fiji)
11:30	-	11:50	Lecture: Japan's Monitoring System for antimicrobial usage (AMU)	Dr Yuuta Hosoi, NVAL
12:00	-	13:30	Lunch break	
13:30	-	13:50	Lecture: Japan's Monitoring System for antimicrobial resistance (AMR)	Dr Michiko Kawanishi, NVAL
13:50	-	14:15	Lecture: Importance of Susceptibility Testing	Prof. Usui, RGU
14:15	-	14:30	Introduction of laboratory Training: Antimicrobial susceptibility testing - Agar dilution method - Disk diffusion method - Broth microdilution method	Prof. Usui, RGU
14:30	-	17:30	Practical: Bacterial Strain Preparation	Prof. Usui, RGU
17:30	-	18:00	Move to the hotel	Dr P. Suwanthada, WOA
18:30	-	20:00	WOA Reception dinner	Dr P. Suwanthada, WOA

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8th July 2025

From		To	Content	Resource person
10:00	-	11:00	Practical: AST - the agar dilution method	Prof. Usui, RGU
11:00	-	11:30	Practical: AST - microbroth dilution	Prof. Usui, RGU
11:30	-	12:00	Practical: AST - disk diffusion method	Prof. Usui, RGU
12:00	-	13:30	Lunch break	
13:30	-	17:00	Practical: AST - continue	Prof. Usui, RGU

9th July 2025

From		To	Content	Resource person
9:30	-	11:30	Practical: AST – Result, interpretation and discussion.	Prof. Usui, RGU
11:30	-	13:00	Lunch break	
13:00	-	13:10	Registration and installation status of R and RStudio	Prof. Makita, RGU
13:10		15:00	Lecture on epidemiology - Veterinary Epidemiology 1.pdf - Veterinary Epidemiology 2.pdf	Prof. Makita, RGU
15:00	-	17:00	Practice: epidemiological indicators	Prof. Makita, RGU

10th July 2025

From		To	Content	Resource person
10:00	-	11:00	Lecture: Risk analysis	Prof. Makita, RGU
11:00		11:50	Role-play game on AMR management	Prof. Makita, RGU
11:50		12:00	Presentation and comments for the role-play game	Prof. Makita, RGU
12:00	-	13:00	Lunch break	
13:00		14:00	Lecture: The factors associated with the use of important human antimicrobials	Prof. Makita, RGU
14:00		15:00	Group discussion on the gap in surveillance	Prof. Makita, RGU
15:00	-	16:00	Development of the Action plan (either group or individual)	Prof. Makita, RGU
16:00		16:30	Presentation on the Action plan and comments	Prof. Makita, RGU
16:30	-	17:00	Closing remark	Prof. Makita, RGU