



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**

7<sup>th</sup> July 2025

| From  |   | To    | Content                                                                                                                                                                                                        | Resource person                                                                     |
|-------|---|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 9:15  | - | 9:30  | Registration                                                                                                                                                                                                   | RGU                                                                                 |
| 9:30  | - | 10:00 | Opening event                                                                                                                                                                                                  | RGU, NVAL and WOAHA                                                                 |
| 10:00 | - | 10:45 | Introduction of participants                                                                                                                                                                                   | Dr P. Suwanthada, WOAHA                                                             |
| 10:45 | - | 11:00 | Lecture: <a href="#">Global Database on Antimicrobial Agents Intended for Use in Animals and WOAHA involvements</a>                                                                                            | Dr P. Suwanthada, WOAHA                                                             |
| 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 WOAHA Focal Point for Laboratory, Fiji) |
| 11:30 | - | 11:50 | Lecture: <a href="#">Japan's Monitoring System for antimicrobial usage (AMU)</a>                                                                                                                               | Dr Yuuta Hosoi, NVAL                                                                |
| 12:00 | - | 13:30 | Lunch break                                                                                                                                                                                                    |                                                                                     |
| 13:30 | - | 13:50 | Lecture: <a href="#">Japan's Monitoring System for antimicrobial resistance (AMR)</a>                                                                                                                          | Dr Michiko Kawanishi, NVAL                                                          |
| 13:50 | - | 14:15 | Lecture: <a href="#">Importance of Susceptibility Testing</a>                                                                                                                                                  | Prof. Usui, RGU                                                                     |
| 14:15 | - | 14:30 | Introduction of laboratory Training: Antimicrobial susceptibility testing<br>- <a href="#">Agar dilution method</a><br>- <a href="#">Disk diffusion method</a><br>- <a href="#">Broth microdilution method</a> | 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, WOAHA                                                             |
| 18:30 | - | 20:00 | WOAH Reception dinner                                                                                                                                                                                          | Dr P. Suwanthada, WOAHA                                                             |

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8<sup>th</sup> 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 |

9<sup>th</sup> 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<br>- <a href="#">Veterinary Epidemiology 1.pdf</a><br>- <a href="#">Veterinary Epidemiology 2.pdf</a> | Prof. Makita, RGU |
| 15:00 | - | 17:00 | Practice: epidemiological indicators                                                                                          | Prof. Makita, RGU |

10<sup>th</sup> July 2025

| From  |   | To    | Content                                                                                        | Resource person   |
|-------|---|-------|------------------------------------------------------------------------------------------------|-------------------|
| 10:00 | - | 11:00 | Lecture: <a href="#">Risk analysis</a>                                                         | 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: <a href="#">The factors associated with the use of important human antimicrobials</a> | 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 |