

APPENDIX

Appendix A.

Equipment, Materials, Media and Reagents

- Sterile 500, 1000 and 2000 ml Erlenmeyer flasks, sterile 250 and 500 ml beakers, and containers of capacity to accommodate samples
- Balance with a 2000 g-weights capacity and a sensitivity of 0.1 g
- Incubator, 37 and 42°C
- Laboratory refrigerator, - 1°C to 4+°C
- Water bath
- Sterile spoons or other appropriate instruments for transferring media
- Sterile culture dishes, 15*100 mm, glass
- Sterile pipettes
- Inoculating needle and inoculating loop (10 micrometer)
- Culture tubes, 16*150 and 20*150 m
- Test or culture tube racks
- Vortex mixer
- Sterile scissors, scalpel, and forceps
- Bunsen burner
- Plastic bags
- Autoclave

Media and reagents

- Rappaport-Vasiliadis (RV) medium
- Xylose lysine desoxycholate (XLD) agar
- Triple sugar iron (TSI) agar
- Motility test medium
- Nutrient agar
- Ethanol 70%
- Brilliant-green Phenol-red (BPLS) agar
- Kovacs' reagent
- Sterile distilled water
- Physiological saline solution, 0.85%
- *Salmonella* polyvalent somatic (O) antiserum: A-E
- *Salmonella* polyvalent somatic (O) antiserum: F-67
- *Salmonella* somatic group (O) antiserum: B (O 4,5,27)
- *Salmonella* somatic group (O) antiserum: C (O 6,7,8,20)
- *Salmonella* somatic group (O) antiserum: D (O 9,46,Vi)
- *Salmonella* somatic group (O) antiserum: E (O 3,10,15,19,34)

Appendix B.**Information Gathered on Each Group of Slaughter Pigs****Information on the farm of origin**Husbandry:

- **Total size of operation**
- **Raising system**
 1. Closed system (own piglets from farrowing to finishing)
 2. Bought-in piglets
- **Pig fattening unit**
 1. Number total pigs per pig fattening house
 2. Number pigs per pen
- **Fattening system**
 1. Constant fattening unit per pen
 2. Sporadic/continuous replenishment of pen with animals from other pens
 3. All in-all out system

Feeding system:

- **Grower ration**
 1. Commercial
 2. Farm self made
- **Finishing ration**
 1. Commercial

2. Farm self made

➤ Feeding

1. Hand feeding
2. Floor feeding
3. Trough feeding
4. Automatic feeding
5. Dry feed
6. Wet feed
7. Slop feed
8. Soup feed

➤ Drinkers

1. Hand filled
2. Automatic
3. Kind: e.g. Nipple drinker, float valve drinking bowl, push type tap drinker, etc.
4. Source of water

➤ Cleaning system

1. Floor
 - a) Concrete floor
 - b) Slatted floor
 - c) Manual cleaning (frequency)
 - d) Hydraulic cleaning

Pre-treatment:

- **antibiotics: when, dosage, length of treatment, drug used**
- **other drugs: when, dosage, length of treatment, drug used**

Information of pre-slaughter risk factorsTransport period:

Time elapsed from loading of animals at farm of origin and time of arrival at slaughterhouse

Classes: very short (≤ 1 h)
 short ($> 1\text{h} \leq 2$ hrs)
 medium ($> 2\text{h} \leq 6$ hrs)
 long (> 6 hrs)

Waiting period:

Time elapsed from arrival of transport at slaughterhouse to slaughter of pigs

Classes: very short (≤ 1 h)
 short ($> 1\text{h} \leq 2$ hrs)
 medium (> 2 hrs)

Curriculum Vitae

1. Personal data

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Date of Birth: November 25, 1972

Age: 30

Citizen: Thai

Second language: English

2. Education Background

- 1991-1996 Doctor of Veterinary Medicine, Faculty of Veterinary Medicine, Kasetsart University, Bangkok
- 1984-1990 Satri Withthaya 2, Bangkok
- 1978-1984 Rungarunwiththaya School, Nakhon Ratchasima

3. Awards/Scholarships Ministry of University Affair Fund for Master's Degree Student Program Health Science (International course), Faculty of Graduate School, Chiang Mai University

Professional Training and Seminar:

- Swine Refreshing Course, Faculty of Veterinary Medicine, Kasetsart University
- Swine and poultry nutrition, Faculty of Agricultural Sciences, Kasetsart University

Professional Training and Seminar(con):

- Swine Nutrition, Faculty of Veterinary Medicine Kasetsart University
- Workshop on epidemiology and application in research, at the Research Institute Health Science, Chiang Mai University
- Workshop on epidemiology and its application in health sciences research, at the Research Institute for Health Science, Chiang Mai University
- International Conference: Introduction to Veterinary Epidemiology and applications, Faculty of Veterinary Medicine, Chiang Mai University
- International Conference : Consumer Safety and Residues in Animal Products, Faculty of Veterinary Medicine, Chiang Mai University
- Workshop on "Introduction to Risk Analysis" Faculty of Veterinary Medicine, Chiang Mai University
- International Conference : WTO'S SPS Agreement, Faculty of Veterinary Medicine, Chiang Mai University