

APPENDIX

Equipment, Materials, Media and Reagents

1. Lab Equipment and Materials

- Sterile 500, 1000 and 2000 ml Erlenmeyer flasks, sterile 250 and 500 ml beakers and containers of capacity to accommodate samples
- Incubator, 37 and 42 °C
- Balance, with weights; 120 g capacity, sensitivity of 5 mg
- Water bath
- Sterile spoons for transferring faecal samples and media
- Petri dish plates (plastic) 15x90 mm
- Sterile pipettes
- Inoculating needle and inoculating loop
- Culture tubes, 16*150 and 20*150m
- Test culture tube racks
- Vortex mixer
- Sterile scissors, scalpel and forceps
- Sterile plastic bags
- Dropper
- Autoclave
- Bunsen burner
- Minisart Syringe filter 0.45um 25mm, sartorius
- Microcentrifuge tube 1.5 ml (eppendorf)
- Sticky band (paper type for labeling)
- Glass slides
- Disposable glove size S

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2. Equipment and Materials for Sample Collection

- Boots size 10
- Disposable gloves size S
- Ice box/cool box
- Ice packs
- Mask
- Rubber band
- Sterile sock swab
- Sterile plastic bag
- Lab coat
- Label marker
- Tissue paper
- Sterile water
- Plastic bag

3. Media, Reagents, and Chemicals

- BPLS (Brilliant-green Phenol-red Lactose Sucrose agar)
- XLD (Xylose lysine deoxycholate agar)
- BPW (Buffer peptone water)
- MSR/V (Modified semi-solid Rappaport – Vassiliadis)
- MSR/V supplement
- NA (Nutrient agar)
- Creatine solution (vp1)
- Ethanoic solution of 1-naphthol (vp2)
- Potassium hydroxide (vp3)
- MIL medium (Motility Indole Lysine Decarboxylation)
- TSI (Triple sugar iron agar)
- Urea agar
- Kovac's reagent (Indole)
- *Salmonella* polyvalent somatic (O) antiserum A-E

- *Salmonella* polyvalent somatic (O) antiserum F-67
- *Salmonella* somatic (O) antiserum-*Salmonella* group C
- *Salmonella* somatic (O) antiserum-*Salmonella* group D
- *Salmonella* somatic (O) antiserum-*Salmonella* group E



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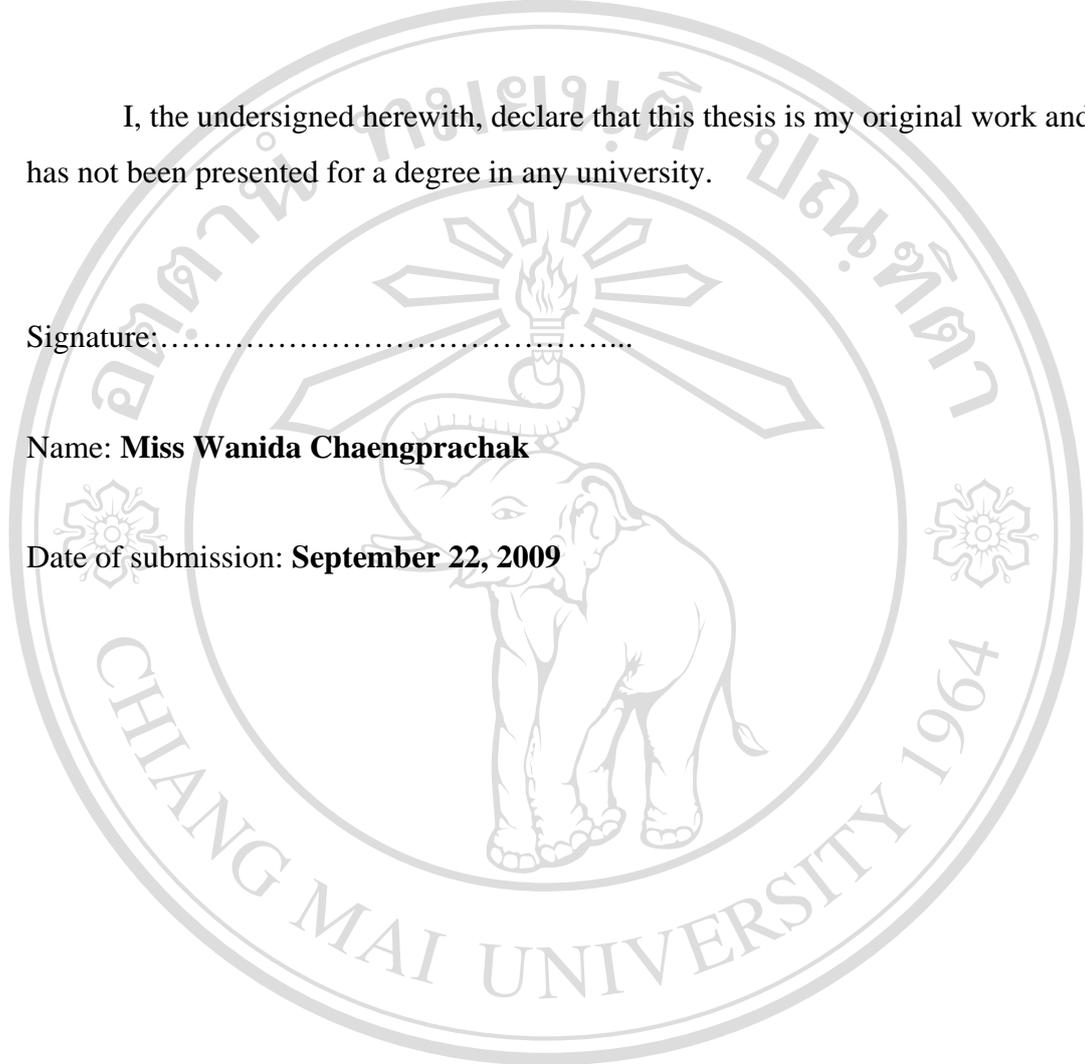
DECLARATION

I, the undersigned herewith, declare that this thesis is my original work and has not been presented for a degree in any university.

Signature:.....

Name: **Miss Wanida Chaengprachak**

Date of submission: **September 22, 2009**



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CURRICULUM VITAE

Name: Ms. Wanida Chaengprachak

Date of Birth: August 10, 1980

Address: Burirum, Thailand

Working address: Anghong Provincial Livestock Office
Muang, Anghong, 14000
Thailand
Tel. 66-35-611746
Fax. 66-35-611746
e-mail: kcdw_wdck18@yahoo.com

Home address: 767/12, Chokchai-Det Udom road, Nangrong,
Burirum, 31110, Thailand
Tel. 66-44-622483

Education:

1998 High school, Khonkaen Provincial Non-Formal
Education Centre, Thailand

2004 Doctor of Veterinary Medicine (D.V.M.);
Kasetsart University, Bangkok, Thailand

Experiences:

April 2004 to June 2004 Pattaya Veterinary clinic, Pattaya-Naklua Road,
Chonburi, Thailand

September 2004-November 2006 A government veterinarian, proceeding in the
part of Livestock Standard and Certification,

Angthong Provincial Livestock Office.

Angthong, Thailand

November 2006-present

Head director of the part of Livestock Standard and Certification in Angthong Provincial Livestock office, Angthong, Thailand

Training:

8 August 2005

Investigation of disease, studying of surveillance and Laboratory practices

22 August 2005 -24 August 2005

Livestock certificate farm, Auditor course.

9 January 2006-11 January 2006

Auditing and controlling Livestock Semen Production Center

6 January 2006-9 January 2006

Wastewater Treatment Systemic in pig farm
Counselor Course

17 July 2006-18 July 2006

Compartmentalization System on Poultry farm
Auditor Course

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