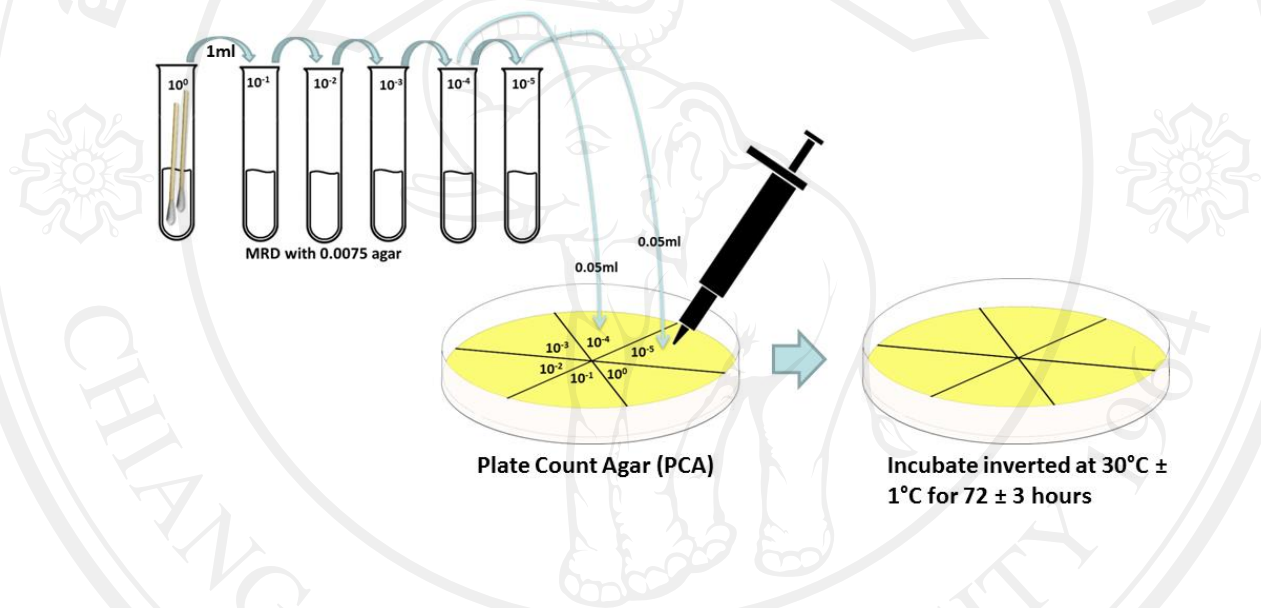


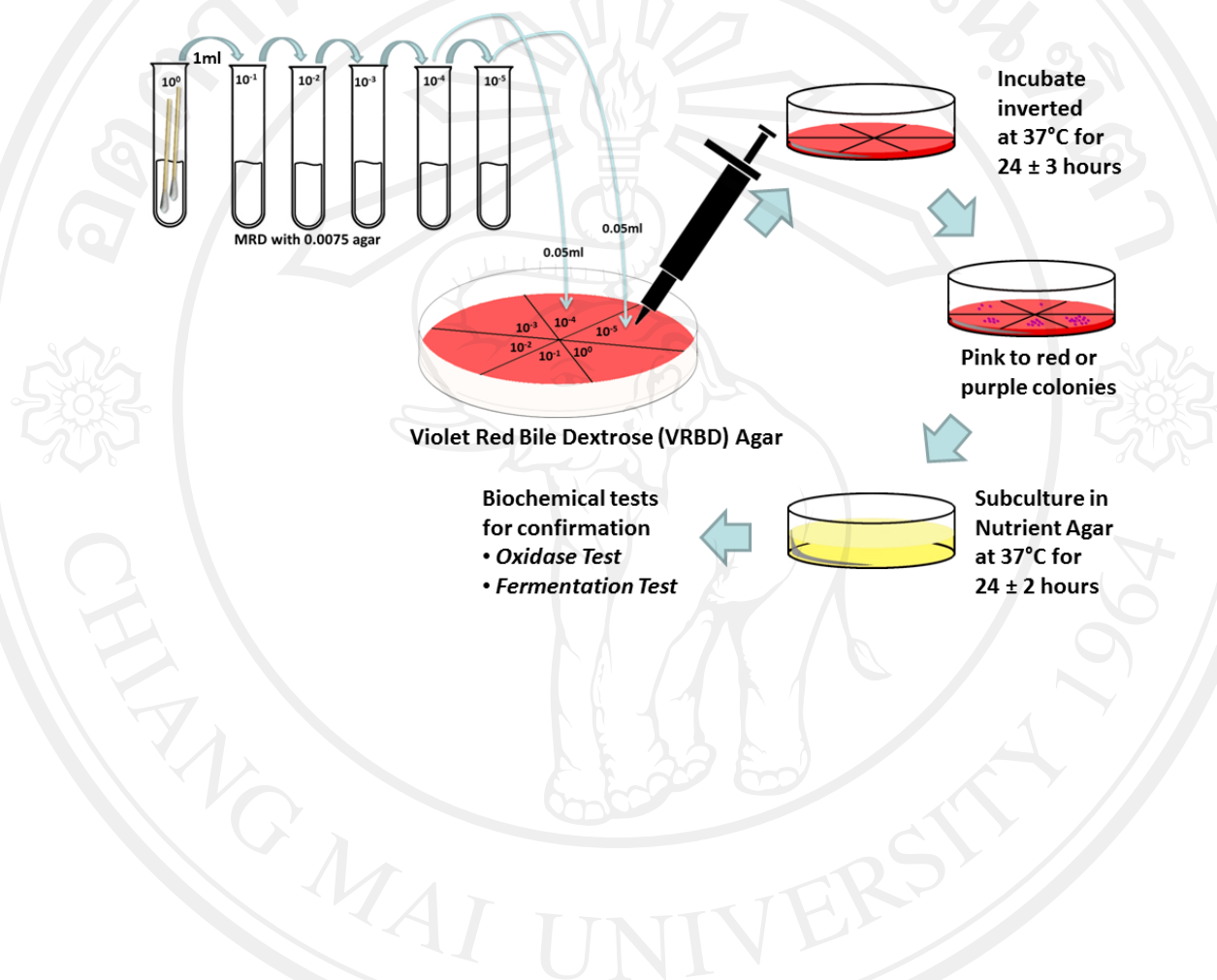
## APPENDIX

### Microbiological Procedures

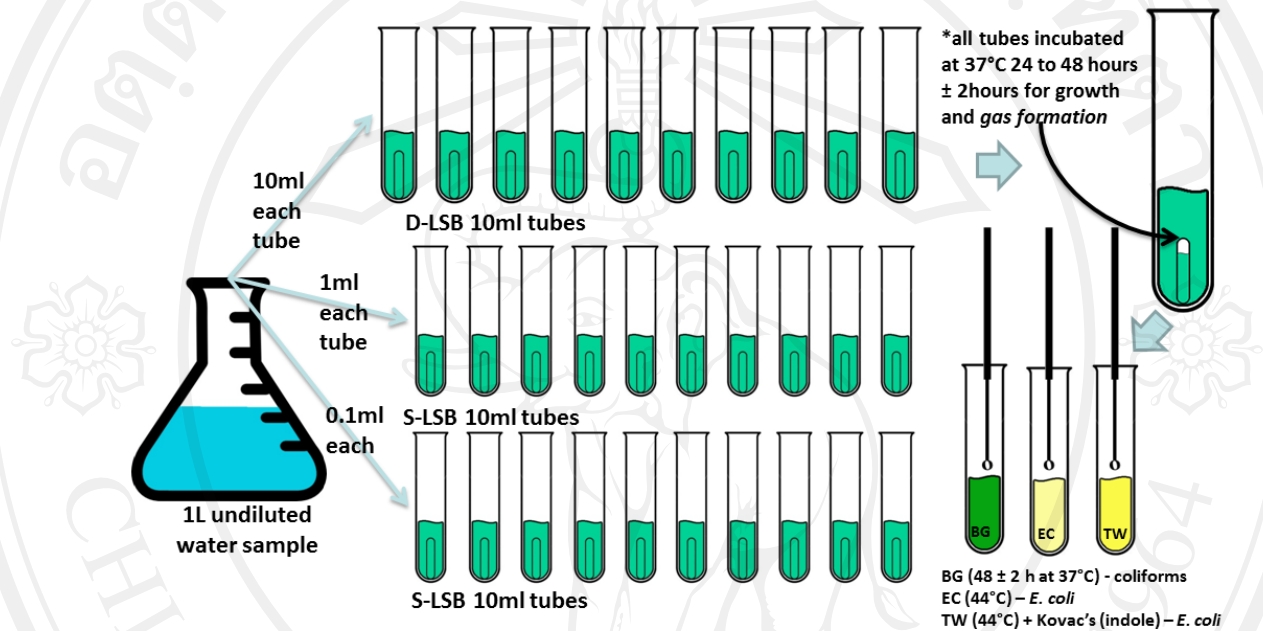
#### Procedure for Total Viable Count (TVC) according to International Standard (ISO) 4833:2003(E) using the Drop-plate Method



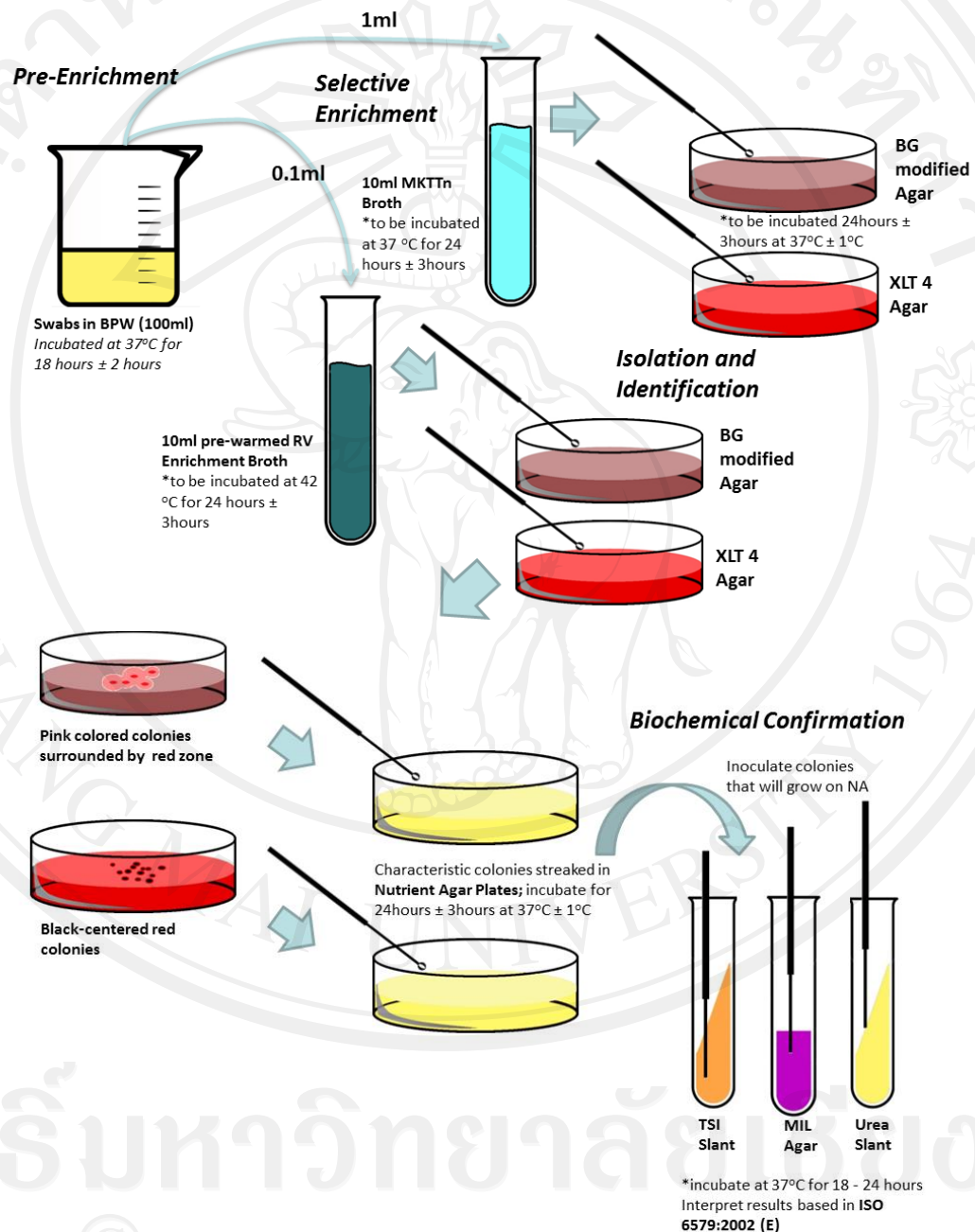
**Procedure for Isolation and Enumeration of *Enterobacteriaceae* based on International Standard (ISO) 21528-2:2004 using the Drop-plate Method**



**Procedure for detection of *E. coli* and Coliforms in accordance to International Standard (ISO) 9308-2:1990 using the Ten-tube Most Probable Number (MPN) Coliform Test**



**Procedure for detection of *Salmonella* spp. based on International Standard (ISO) 6579:2002(E)**



## DECLARATION

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

Signature.....

Name: **Mr. Samuel Joseph Manglapus Castro**

Date of Submission

## **CURRICULUM VITAE**

**Name** Mr. Samuel Joseph Manglapus Castro

**Date of Birth** 20 March 1979

### **Educational Background**

Doctor of Veterinary Medicine (DVM)  
(1996 – 2004)

University of the Philippines Los Baños  
Los Baños, Laguna, Philippines

### **Work Experience**

National Field Veterinary Officer  
(March 2010 – August 2011)

Immunization and Disease Control Section (IDCS), Animal Health Division  
Bureau of Animal Industry, Diliman, Quezon City

National Field Veterinary Officer  
(2007 – March 2010)

National FMD Eradication Project in the Philippines, (GCP/AUL/PHI/049)

UN Food and Agriculture Organization (UNFAO)

Field Veterinarian and FMD Coordinator for the National Capital Region (NCR)  
(2006 – 2007)

National Foot and Mouth Disease Task Force (NFMDTF)  
Bureau of Animal Industry, Diliman, Quezon City

Livestock Inspector

Member – NFMDTF Compliance Monitoring Team

(2006 – 2007)

National Foot and Mouth Disease Task Force (NFMDTF)

### **Eligibility**

Professional Regulation Commission (Philippines) Veterinary Licensure Examination

– Passed (July 2004)

### **Publications**

*“Post-thawing motility and morphology of bovine spermatozoa frozen in ethylene glycol without sugar”* Bautista, J.A.N.; Castro, S.J.M.; Valdez, C.A.; Gonzaga, E.A.

Undergraduate thesis work published in the Dairy Training Research Institute (DTRI)  
2004 Annual Report

*“Microbiological Evaluation of Hygienic Practices of Pig Slaughterhouses in the National Capital Region, Philippines”* Castro, S.J.M.; Meeyam, T.M.; Fries, R.

Proceedings of the 10<sup>th</sup> Year Anniversary of the Veterinary Public Health Centre for Asia Pacific, 2-6 July 2013, The Imperial Mae Ping Hotel, Chiang Mai, Thailand