



COA No. 665/2010  
IRB No. 420/53

**INSTITUTIONAL REVIEW BOARD**  
**Faculty of Medicine, Chulalongkorn University**

1873 Rama 4 Road, Patumwan, Bangkok 10330, Thailand, Tel 662-256-4455 ext 14, 15

**Certificate of Approval**

The Institutional Review Board of the Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand, has approved the following study which is to be carried out in compliance with the International guidelines for human research protection as Declaration of Helsinki, The Belmont Report, CIOMS Guideline and International Conference on Harmonization in Good Clinical Practice (ICH-GCP)

**Study Title** : Serum proteomic profile, pre- and post-treatment, in chronic hepatitis B patients treated by PEG-Interferon alfa-2b.

**Study Code** : -

**Study Center** : Master of Science (Medical Microbiology),  
Faculty of Medicine, Chulalongkorn University.

**Principal Investigator** : Miss Sunida Kuakarn

**Document Reviewed** :  
1. Protocol Version 5.0 Dated 13 December 2010  
2. Protocol synopsis Version 3.0 Dated 16 November 2010

Signature:   
(Professor Tada Sueblinvong MD)  
Chairperson of  
The Institutional Review Board

Signature:   
(Associate Professor Sopit Thamaree)  
Committee and Secretary of  
The Institutional Review Board

**Date of Approval** : December 16, 2010

**Approval Expire Date** : December 15, 2011

Approval is granted subject to the following conditions: (see back of this Certificate)

All approved investigators must comply with the following conditions:

1. Strictly conduct the research as required by the protocol;
2. Use only the information sheet, consent form (and recruitment materials, if any), interview outlines and/or questionnaires bearing the Institutional Review Board's seal of approval ; and return one copy of such documents of the first subject recruited to the Institutional Review Board (IRB) for the record;
3. Report to the Institutional Review Board any serious adverse event or any changes in the research activity within five working days;
4. Provide reports to the Institutional Review Board concerning the progress of the research upon the specified period of time or when requested;
5. If the study cannot be finished within the expire date of the approval certificate, the investigator is obliged to reapply for approval at least one month before the date of expiration.

\* A list of the Institutional Review Board members (names and positions) present at the meeting of Institutional Review Board on the date of approval of this study has been attached. All approved documents will be forwarded to the principal investigator.