Accepted Manuscript

Title: Development and validation of a reliable method for thiopurine methyltransferase (TPMT) enzyme activity in human whole blood by LC–MS/MS: An application for phenotypic and genotypic correlations

Authors: Supaporn Wiwattanakul, Santirhat Prommas, Nuttawut Jenjirattithigarn, Siwalee Santon, Apichaya Puangpetch, Samart Pakakasama, Usanarat Anurathapan, Chonlaphat Sukasem

PII: S0731-7085(16)31354-1

DOI: http://dx.doi.org/doi:10.1016/j.jpba.2017.07.039

Reference: PBA 11419

To appear in: Journal of Pharmaceutical and Biomedical Analysis

Received date: 12-12-2016 Revised date: 6-7-2017 Accepted date: 28-7-2017

Please cite this article as: Supaporn Wiwattanakul, Santirhat Prommas, Nuttawut Jenjirattithigarn, Siwalee Santon, Apichaya Puangpetch, Samart Pakakasama, Usanarat Anurathapan, Chonlaphat Sukasem, Development and validation of a reliable method for thiopurine methyltransferase (TPMT) enzyme activity in human whole blood by LC–MS/MS: An application for phenotypic and genotypic correlations, Journal of Pharmaceutical and Biomedical Analysishttp://dx.doi.org/10.1016/j.jpba.2017.07.039

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Title: Development and validation of a reliable method for

thiopurine methyltransferase (TPMT) enzyme activity in human

whole blood by LC-MS/MS: An application for phenotypic and

genotypic correlations.

Running title: Determination of whole blood TPMT activity by LC-MS/MS

Supaporn Wiwattanakul^{a, b}, Santirhat Prommas^{a, b}, Nuttawut Jenjirattithigarn ^{a, b} Siwalee

Santon^{a, b}, Apichaya Puangpetch^{a, b}, Samart Pakakasama^c, Usanarat Anurathapan^c,

Chonlaphat Sukasema, b

^aDivision of Pharmacogenomics and Personalized Medicine, Department of Pathology,

Faculty of Medicine Ramathibodi Hospital, Mahidol University, Bangkok, 10400, Thailand

^bLaboratory for Pharmacogenomics, Somdech Phra Debaratana Medical Center (SDMC),

Ramathibodi Hospital, Bangkok, 10400, Thailand

^cDivision of Pediatric Hematology-Oncology, Department of Pediatrics, Faculty of Medicine,

Ramathibodi Hospital, Mahidol University, Bangkok, 10400, Thailand.

Corresponding author: CHONLAPHAT SUKASEM, B.Pharm., Ph.D.

Download English Version:

https://daneshyari.com/en/article/5137793

Download Persian Version:

https://daneshyari.com/article/5137793

Daneshyari.com