



The Chinese University of Hong Kong
Non-confidential Abstract of Technology Disclosure

Title:

Non-Invasive Prenatal Monitoring

CUHK Ref. No.:

00/MED/063

Inventor:

Professor Dennis LO, Department of Chemical Pathology

Patent Status:

- ◆ US Patent no. 6,664,056
- ◆ Chinese Patent no. ZL01817445.0
- ◆ HK Standard Patent no. HK1058529

Non-confidential abstract:

Embodiments of the present invention are directed to the detection of fetal or maternal RNA in a blood sample from a pregnant subject, and may involve subjecting the sample to a test for fetal or maternal analysis indicative of a fetal or maternal condition or characteristics. For instance, the RNA analysis may involve the assessment of the gene expression pattern of an unborn fetus by analyzing a blood sample from the mother. The prenatal monitoring technology allows, for the first time, the detection of genes which are expressed by the fetus, just by analysis of a sample of maternal blood. In specific embodiments, the prenatal monitoring technology is based on the discovery of circulating RNA of fetal origin in the plasma of pregnant women. In general, the detection method performed on a maternal serum or plasma sample from a pregnant female comprises detecting the presence of RNA of fetal or maternal original in the sample.

For further queries, please contact:

Mr Billy Lam
Technology Licensing Coordinator
Tel: (852) 2609 8882
Fax: (852) 2603 5451
Email: billylam@cuhk.edu.hk

Address:
Technology Licensing Office
The Chinese University of Hong Kong
Room 226, Pi Ch'iu Bldg, Shatin, New Territories
Hong Kong SAR