



請於此欄位填寫發明名稱

(以下內容一頁為限，不可揭露關鍵技術內容；填表完成後請刪除此行)

提案人： 范士岡 教授

單位： 國立臺灣大學 機械學系/研究所

簡歷：(可列出相關連結，例如系所、研究室網頁)



http://www.me.ntu.edu.tw/main.php?mod=adv_custom_page&func=show_page&site_id=0&page_id=208

市場及需求:

(1)市場：一般血液樣品檢測常需事先分離將血球與血漿分離後才取澄清液檢測，本專利可以在晶片上將血球分離後直接檢測，開發可為醫檢單位所用之快速檢驗機台。

(2)需求：

- a. 新生兒篩檢
- b. 疾病因子檢測
- c. 生物標記物檢測

技術摘要(含成果):

本專利利用不同的電極設計將細胞分離，運用在生醫檢測上可取代先離心後才檢測的不便利性。

優勢:

具備核心技術的研究團隊。

競爭產品:

無

專利現況:

(1) 此為本團隊申請此技術之第一篇專利

聯絡方式(請不用填):

臺大產學合作總中心

Tel: 02-3366-9945, E-mail: ntuciac@ntu.edu.tw



Title of Invention

(Below is limited to 1-page only; be careful not to disclose vital technology content. Please delete these words when the document is finished)

PI : Prof. Shih-Kang FAN
Department of Mechanical Engineering, National Taiwan U.

Experience:

An interesting **photo** related to your technology
(be careful not to disclose key technology)

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Market Needs:

- A fast diagnosis for whole blood sample in
- (1) Newborn screening
 - (2) Biomarker diagnosis
 - (3) Diagnosis for risk factor of diseases

Our Technology:

Electrode design for on-line cell separation.

Strength:

A professional team with core technology

Competing Products:

NO

Intellectual Properties:

Patent application for US and TW

Contact (do not need to fill out):

Center for Industry-Academia Cooperation, NTU
Tel: 02-3366-9945, E-mail: ntuciac@ntu.edu.tw

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