



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

Title:

DNA-DNA Hybridization on Solid Support for the Authentication of Traditional Chinese Medicines

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Inventor:

Professor Hoi Shan KWAN, Department of Biology

Patent Status:

US Patent Pending

Non-confidential abstract:

This invention provides a method and procedure for authentication of plant, animal and fungal materials used as traditional Chinese medicine. The method amplifies DNA from the materials to make labeled probes for hybridization to membranes which are blotted with dots of target sequences. A novel arrangement of the target sequences provides a clear, reliable and convenient way to identify traditional Chinese medicinal materials. In this novel method, small amount of fresh or dried biological samples can be authenticated. The application of this method in the authentication of common herbal tea plant materials from the genus *Ilex* is illustrated in detail.

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