

Food Research Laboratory



食物安全中心
Centre for Food Safety

Introduction

With the increasing sophistication in the food production process and the advancement in food science, the World Health Organization (WHO) has been advocating a risk-based and proactive food safety control model with sound scientific basis to cope with the changing needs of the community.



Sample treatment process for chemical analysis

In line with the WHO's food safety model and as part of the Government's efforts to strengthen the scientific basis of the food safety control work, the Food Research Laboratory (FRL) operates under the Centre for Food Safety (CFS) of the Food and Environmental Hygiene Department.

Roles and Scope of Work

The FRL provides dedicated laboratory and research services on locally available food to support the CFS in:

- dietary exposure studies to get an overview of the safety of food supply;
- risk assessments of food hazards and setting of food standards; and
- nutritional assessments of local indigenous food, with information available for public access through the Nutrient Information Inquiry System (<http://www.cfs.gov.hk/english/nutrient/index.shtml>), an on-line searchable nutrient database on the CFS website.



FRL is located on 4/F, Public Health Laboratory Centre, 382 Nam Cheong Street, Shek Kip Mei, Kowloon.

Findings of the studies also enable the CFS to take proactive measures in strengthening food safety control and safeguarding public health, including:

- planning and formulation of appropriate food safety control measures;
- legislative reviews to cope with the rapid development in food science and technology; and
- launching of publicity programmes to educate the public ways to reduce food risks.



Liquid chromatograph - tandem mass spectrometer

Facilities

The 600m²-FRL consists of purpose-built laboratory areas and instrument rooms. It is equipped with an array of sophisticated state-of-the-art analytical instruments, including:

- high resolution inductively coupled plasma mass spectrometer for determination of trace metals and nutritional elements in food; and
- gas chromatograph - high resolution mass spectrometer and liquid chromatograph - tandem mass spectrometer for qualitative and quantitative analysis of organic nutrients, additives and contaminants in food.

For enquiries, please contact us

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Gas chromatograph - high resolution mass spectrometer