Strategies in Food Safety in Thailand: Case study

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Food Safety Program

- International Level
  - INFOSAN

- National Level
  - FDA
    - DMSc
    - MOA
    - Country Focal Point
      (Food safety operating Center)
Promotion/Preventive

Consumer Protection Philosophy:
*Ultimate goal is No work for CPA*
Effective strategies:
Local government / Organizations
(including schools, temples, Markets, suppliers etc.)
And consumers
Most of the activities need a laboratory results to justify
Disadvantages of Laboratories

- Costly
- Times
- personnel / professional / expert
- accommodation / facilities
- accessibility
Solution.....Test kits
**Challenges**

- Suitable tools (according to the need, suitable, easy to use and cheap)
- Can be used by inexperience personnel/local communities
- Acceptable by stakeholders (FDA, CPA, Local governments, consumers and distributors)
- Local government support
- Migration of vendors/sellers
Strength to overcome the challenges
Regional centers (14)
- closed relationship with local government
- Expertise

New local governments
- have their own budgets
- covered the whole country
Regional Medical Sciences Centers
Center 1 (Trang)
Center 2 (Udon Thani)
Center 3 (Chonburi)
Center 4 (Samut Songkhram)
Center 5 (Nakhon Ratchasima)
Center 6 (Khon Kaen)
Center 7 (Ubon Ratchathani)
Center 8 (Nakhon Sawan)
Center 9 (Phitsanulok)
Center 10 (Chiang Mai)
Center 11 (Surat Thani)
Center 12 (Songkhla)
Center 13 (Chiang Rai)
Private sector
- Existing / business
- Other products roots

Awareness of consumers
DMSc
- Research
- Transfer of technology
- Distribute
- Create awareness
- Technology support
RMSc
Local partners
Implement
Yearly evaluate and award
Flowchart of test kit

Found unsafe products

Not to consume

Inform producers

Contact local FDA and RMSc

Re test with test kit

Unsafe

Improvement of products (producers)

Not to consume

Re test with test kit

Unsafe

Inform local FDA for legal action
Next goal: - Useful for other countries in the region and Neighboring countries

- Through WHO or ASEAN
Food Test Kit

1. MJPK Test Kit screen pesticide residues in vegetable and fruits
2. TLC MedSci Pest Kit (Thin Layer Chromatography Pesticide Kit)
3. MedSci Pest Kit (Screening 4 groups)
4. Test kit for borax in food
5. Test kit for Formalin in Food
Food Test Kit

6. Test kit for cleanliness of **Food-Contact** Articles and Hands
7. Test kit for Sodium Hydrosulfite in Food
8. Test kit for Coliform in Water and Ice
9. Test Kit for Detection of Coliform in Food
10. Test Kit for Bacterial Count in Food
11. Test kit for Salicylic acid (antifungal agent) in Food
12. Test kit for in drink water Hardness
13. Test kit for iodine Quantity in Iodated Table salt
14. Test kit for Synthetic Dye (Dye-Prohibited Food)
15. Test kit for Free Mineral Acid in Vinegar (Fake Vinegar)
16. Test kit for Acetic Acid Quantity in vinegar
17. Test kit for Determination of Drug Residues in Milk and Milk Products
Food Test Kit

18. Test kit for Determination of Drug Residues in Meat
19. Test kit for Hypochlorite in Food (Bleaching-Chlorine group)
20. Test kit for Peroxide Value of Cooking Oil (Rancidity)
21. Test kit for Acid Value of Cooking Oil
22. Test kit for Sulfiting Agents in Food
23. Test kit for Yeast and Mold in Food and Beverage
24. Test kit for Lead in Ceramic wares
25. Test kit for Total Polar Compounds in Repeatedly Used Cooking Oil
25. Test kit for Tetrodotoxin
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