

TFNC laboratory is your partner in Food & Nutrition

Research

You can study nutrition problems in a specific population by using a well validated panel of nutrition biomarkers in our laboratory

Development

You can develop nutritious, safe and quality food products in your small or medium scale industry by using our laboratory platform

Evaluation

We can evaluate nutrition value and generate a nutritional label for your food product in our laboratory

Consultancy & training

We offer laboratory based technical support and trainings to individual researchers or laboratory staff from food industries and research institutions

Our location

TFNC laboratory facility is located along Mwai Kibaki Road at Sembeti Street, Mikocheni kwa Warioba (nearby Mikocheni plaza), Dar es Salaam, Tanzania.

You can get more information about our laboratory services by visiting physically or through our website or contacts provided below



TANZANIA FOOD AND NUTRITION LABORATORY SERVICES



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Tanzania Food and Nutrition
Centre

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FACILITY SETUP & SERVICE OFFERED

Tanzania Food and Nutrition Centre (TFNC) is a parastatal institution under the Tanzania Ministry of Health which was established by an Act of Parliament No. 24 of 1973 to fight against malnutrition in the country. TFNC own a Food and Nutrition Laboratory which have been providing world class, highly reputable nutrition laboratory services across Africa and Asia. The laboratory facility is equipped with the state-of-the-art modern tools and automated machines to conduct high quality laboratory analyses within short turnaround time at very affordable price. The laboratory has a unique setup that enable simultaneously and independently analysis of the following; -

1. Biomolecules & Nutrition status biomarkers



The biochemistry Laboratory at TFNC is designated to conduct biochemical assays in body fluids to uncover nutritional



problems in humans. Among these assays are:

- Determination of the levels of Micronutrient biomarkers

including Iodine, Ferritin, sTfR, CRP, AGP, RBP, Retinol, Vitamin B12, Zinc, Selenium, and Copper etc.

- Measurements of hematological indices
- Identification and quantification of specific biomolecules including several immune molecules
- Utilization of stable isotope techniques in nutrition assessment e.g body composition

2. Food composition, chemical safety & quality

In our food laboratory we offer analyses of food composition (macro and micro), contaminants and toxins in food/feed, food additives. These analyses include:

- Proximate composition of foods eg. Protein, Fat, Moisture, Total ash and carbohydrate
- Mineral profile (Zn, Cu, Fe, Mg,
- Vitamins (Vit A, C, E)
- Levels of Mycotoxins in cereals, cyanide and other toxins.



3. Specific microbiological assays and microbial safety

Our microbiology laboratory can provide the following services:

- To determine the levels of certain micronutrient biomarkers (Folate, Vitamin B12 and certain Amino acids by using microbiological assays
- To determine microbiological safety of foods
- To determine the presence and levels of microbial toxins in human and foods



TFNC participate in several EQA programs and most assays for micronutrient biomarkers are verified & certified by CDC