



Bringing Scientific and Technical resources to the African Continent (NITA/TRN/875)

TRAINING ON: PROFICIENCY TESTING IN ANALYTICAL CHEMISTRY, MICROBIOLOGY & LAB MEDICINE

DATE: 17th – 21st April 2023 NAIVASHA - KENYA

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| Day 1 (17th April 2023) | |
| Registration & Introduction | 8.30am -9.00am |
| <ul style="list-style-type: none"> • Training module 1 General introduction to PT • Proficiency testing in analytical chemistry, microbiology and laboratory medicine: discussions on current practice and future directions" | 9.30am -10.30am |
| Tea Break | 10.30am -11.00am |
| <ul style="list-style-type: none"> • Benefits of PT & The importance of interpretative PT schemes • PT Language and PT reports • Basic Statistics | 11.00am -1.00pm |
| Lunch Break | 1.00pm -2.00pm |
| <ul style="list-style-type: none"> • Guides and standards • ISO/IES 17025 • ISO/IES Guide 17043 | 2.00pm-4.30pm |
| DAY 2 (18th April 2023) | |
| <ul style="list-style-type: none"> • Changes to PTs in developing countries over the last ten years • How to start PT activities? How to finance PT activities | 9.00am -10.30am |
| Tea Break | 10.30am -11.00am |
| <ul style="list-style-type: none"> • Implementing ISO/IEC 17043 for sampling PTs • How to start PT activities? How to finance PT activities. | 11.00am-1.00pm |
| Lunch Break | 1.00pm-2.00pm |
| <ul style="list-style-type: none"> • Calculation of the standard deviation for proficiency assessment in microbiological proficiency testing schemes • Working group feedback session | 2.00pm-4.30pm |
| DAY 3 (19th April 2023) | |
| <ul style="list-style-type: none"> • Traditional vs. virtual PT items • How to identify and prioritize needs for PT programs | 8.30am -10.30am |
| Tea Break | 10.30am -11.00am |
| <ul style="list-style-type: none"> • Use and treatment of measurement uncertainty in PT schemes • Requirement for PT providers • Motivation and use | 11.00am -1.00 pm |



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| <ul style="list-style-type: none"> • Accreditation | | |
| Lunch Break | | 1.00pm -2.00pm |
| <ul style="list-style-type: none"> • Estimates of measurement uncertainty using data from participation in External Quality Assessment Schemes for trace elements in biological fluids • Immunosuppressant PT: Investigation of results submitted for the IPT Scheme for the various methodologies used | | 2.00pm-4.30pm |
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| DAY 4 (20th April 2023) | | |
| <ul style="list-style-type: none"> • Statistical methods to estimate the assigned value in presence of multiple censored results • How to run a PT scheme? • Selection of programs & Program design | | 8.30am – 10.30am |
| Tea Break | | 10.30 am – 11.00 am |
| <ul style="list-style-type: none"> • Taking laboratory measurement uncertainties into account in assigned value estimates • Proficiency Tests for Substances of Emerging Concern in Drinking Water | | 11.00am – 01.00pm |
| Lunch Break | | 01.00pm – 02.00pm |
| <ul style="list-style-type: none"> • Packaging and handling • Statistical theory & Measurement uncertainty | | 02.30pm - 4.00pm |
| DAY 5 (21st April 2023) | | |
| <ul style="list-style-type: none"> • Break out session • How to develop national capabilities for PT programs? | | 08.30am – 10.30am |
| Tea Break | | 10.30am – 1100am |
| <ul style="list-style-type: none"> • Future steps | | 11.00am – 01.00pm |
| Lunch Break | | 01.00am – 02.00am |
| <ul style="list-style-type: none"> • Evaluation • Director speech and Presentation of certificates | | 02.00pm – 04.00pm |
| Dates: 17th – 21st April 2023 Dead line: 5th April 2023 | | Cost Kes; 78,880.00 OR USD 800.00 |
| | | Naivasha |