

**Royal for Quality System [RQS]**

**Protocol for Proficiency testing Schemes**

**Version 3, April 2019**

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## 1. INTRODUCTION

### 1.1. RQS

- Royal for Quality system is foundation [Private sector] and not part of any organization. Established on 2017 to provide PT Provider in Egypt and related area in Arab country.

- **Services provided by RQS**

- PT Scheme according to ISO/IEC 17043:2010
- Conducting public workshops and seminars related to Total Quality Management (TQM)

### 1.2. Accreditation

- **RQS is a EGAC accredited proficiency testing provider No.717002A**

- **Accreditation Scope:** The Formal schedule of the accreditation can be obtained from EGAC website after complete the process of accreditation OR from RQS Web-site.

## 2. Organization of PT Scheme

### 2.1. Administration

- All PT Scheme provided by RQS are administrated in keeping with international agreed principles in particular those set out within IUPAC international Harmonized protocol for proficiency test as well as technical and management requirement of ISO/IEC 17043-2010.
- RQS Maintain Advice committee which meet at least once a year or when necessary .the advice committee members comment upon the relevant programme of PT planned by RQS and discuss any scientific issues. Advice committee member are available to advice RQS staff at any point during the year.

### 2.2. Confidentiality

- All information held by RQS about participants. Including z score , is confidential and will not be disclosed to anyone unless explicitly agreed by the participant for a particular purpose. To preserve this confidentiality participants receive reports giving all the result all the results for that pt but without identifying individual laboratories. The laboratory code numbers used in report

are assigned in order of receipt of results from participants. Participants will be assigned the same code number in different pts only by chance.

- To avoid any conflict of interest /breach of confidentiality, if any of various analytical testing teams elsewhere within RQS wished to participate in a PT they will be treated in exactly the same manner as any other participant. They will not have access to details of any other participants.
- All PT report issued by RQS are copyright RQS. Anyone wishing to use data from within RQS reports for their own publication should first seek permission from RQS.

### **2.3. Typical Timetable**

- RQS provide on-going PT scheme, where test material are distributed on a regular basis every year. RQS will add new activity bespoke closed PT scheme where the test materials are distributed at the time and request of a commissioning client.
- For ease of planning and timetabling, RQS advertiser the on-going scheme every 4 month.
- The outline process of conducting a single proficiency test as flows:
  - Preparation test material including homogeneity testing.
  - Dispatch of test material on the advertised date from RQS.
  - Participate analyses test material and report results by given date. Generally, the closing date is 2-3 weeks from the dispatch date; through for certain analysis where the analyte/matrix combinations potentially are unstable a much shorter timescale may be set.
- Results subjected to stastical analysis by RQS.
- Distribution of final report to all participants. Generally the report issue within 15-21 days from closing date.

### **2.4 Management system**

- The quality management system for RQS is accredited by EGAC according to the requirement of ISO/IEC 17043-2010.

### **2.5 Subcontractors**

- RQS subcontract different laboratory to determine assigned value as well as homogeny and stability study.

- RQS maintains a list of approved subcontracting laboratory and regularly reviews the service received.

## **2.6 Agents**

- No agents for RQS until now.

## **2.7 Bespoke schemes**

- There is possibility of producing bespoke PT schemes for customers for which the schedule PTs does not properly fulfill their purpose. Customers requiring a bespoke service should bear in mind the statistical and economic advantages of including as many participants as possible in a PT.

# **3. Participation in Scheme**

## **3.1 Test material Preparation and Homogeneity**

- Test material are prepared by RQS according to own working instruction WI-RQS-01. The homogeneity and stability testing done by subcontracted laboratory.

## **3.2 Dispatch and Receipt test Material**

- RQS test material sent either by private car Door to door service or courier where time limitation are imposed. such time limitation usually arise when an analyte /matrix combination is temperature sensitive or stable for only limited period of times.

## **3.3 Analysis of Test Material**

- It is responsibility of participant to read the instruction provided hard copy or electronically and follow them exactly to conducting the actual analysis of test material. RQS cannot be held responsible for any problems arising from failure to comply with these instructions.

## **3.4 Follow Up Services**

- After a PT has been completed and values for analyte concentrations assigned ,suplus PT Materials may be available to purchase for use as quality control (QC) materials or reference material (RM). These materials are not certified reference materials (CRM).

- RQS test materials may be the only source of a suitable quality control material.
- If a participant wishes to obtain advice on any aspect of their performance, they should contact RQS by email [RQS\_PT@yahoo.com / fouadeltahan@yahoo.co.uk].

#### **4. Performance Assessment**

- The statistical model used by RQS is set fully within both the International Harmonized protocol & ISO 13528, Statistical methods for use in proficiency testing for Inter laboratory comparison.
- For limited number of participants RQS statistical model is set according to ISO13528/2015: cases for a limited number of participants.
- RQS –PT is to check the accuracy of results submitted by the participant laboratories. This check is achieved typically by comparing participants' results to some estimate of the true value.
- If the results submitted are quantitative then this comparison will be in the form of numerical score.
- The comparison for qualitative results will be against the answer anticipated by formulation or by taking account of the consensus of participants' results.

#### **5. Detailed information for the application on the PT rounds:**

- **Phone: +201002226326**
- **E-mail: fouadeltahan@yahoo.co.uk, RQS\_pt@yahoo.com**
- **Web-site: WWW.RQS.ORG.**
- **Direct contact with RQS manager: Dr. Fouad EL-Tahan\_ GIZA-Harm-El matbaa –Omar Abd El Aziz street -Cairo building No.8 -101**

## REFERENCES

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**Participant**

**Organization Name:**

**Title:**

**Date:**

**Signature:**

**RQS Reprehensive: Prof. Fouad El Tahan**

**Title:** General Manager of RQS

**Date:** April 2019

**Signature:**

*Fouad El Tahan*

**End of Protocol for Proficiency testing Schemes**

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