

Introduction

Intended Use

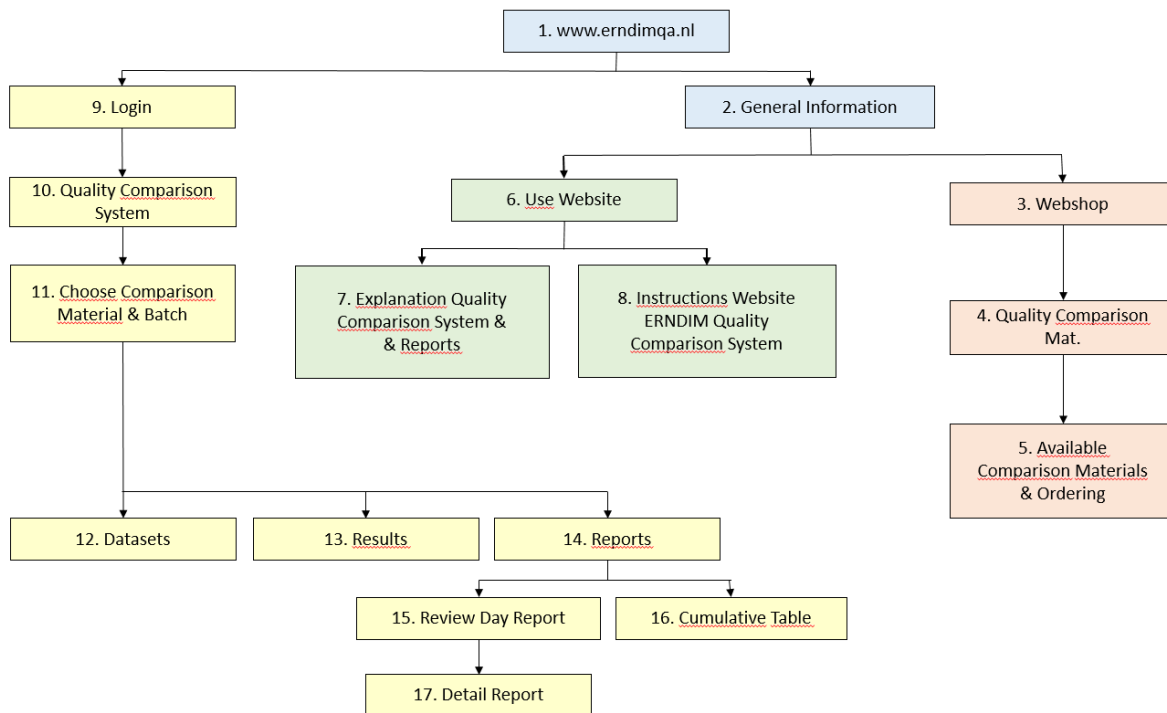
The ERNDIM-MCA Quality Comparison System facilitates in the verification of the correct calibration of measurement methods. of users of ERNDIM Quality comparison materials and consists of:

- Quality comparison materials with concentrations at two levels
- Website for data management and value assignment

This document describes how relevant information can be derived from the website www.erndimqa.nl

Navigation on the website

Figure 1 shows the overview of the system and how to navigate on the website.



Amber = availability and ordering

Starting at www.erndimqa.nl (1), you can follow the buttons general information (2), webshop (3) and via Quality comparison mat. (4) you will find the available materials and how to order them (5).

Green = information

Also under general information (2) you can press the button Use Website (6) and find extensive information on the Quality Comparison System and the reports under the links Explanation Quality Comparison System & Reports (7) and instructions for how to report results and request reports under the button Instructions Website ERNDIM Quality Comparison System (8).

Yellow = data

Starting from www.erndimqa.nl (1) and the buttons login (9) and Quality Comparison System (10) you can choose the comparison material and batch of the materials (11). From there define your datasets (12), submit results (13) and request reports (14). Under reports you can choose the Review Day Report (15) and the Cumulative Table (16). When you click on an analyte in the Review Day Report (15) you get a Detail Report (17) of that analyte.

The reports

Review Day Report.

This report shows your most recent results per data set for the analytes in the levels.

The white columns show the name of the Comparison Material, the analyte names and units per analyte. The coloured part of the report shows the statistical data of your laboratory in comparison to those of all labs (yellow for level 1 and green for level 2):

- The first column shows the results of the last run you submitted. Run ID (heading of this column) number is made up of the date you submitted the results and your Erndim number (in the example below "241025 and ERN0"). A result printed in red means that this result is outside your acceptance limits.
- The column "My Accept Limits" show the acceptance limits that your laboratory set for this batch comparison material.
- The column "My Running Mean" is the running mean of all your submitted results with exclusion of outliers (>3s)
- The column "All Labs Running Mean" is the mean of the means of all individual labs with exclusion of outliers (>3s).

Clicking on one of the analytes gives the Detail Report of this particular analyte. Example: when you click on "3 methylglutaconic acid" in the first column you get the Detail Report as shown and explained on the next page of this document.



The screenshot shows a dark blue header with the ERNDiM logo on the left. To the right of the logo, the text reads: "Review Day Report", "Quantitative Organic acids (urine)", and "Batch 2022.189".

Review Day Report		Batch 2							
Quantitative Organic acids (urine)		Level 1				Level 2			
Analyte	Unit	241025 ERN0	My Accept Limits	My Running Mean	All Labs Running Mean	241023 ERN0	My Accept Limits	My Running Mean	All Labs Running Mean
2-OH Glutaric acid	µmol/L	53	40-60	41.7	31.7	292	265-333	297	265
3 methylglutaric acid	µmol/L	11	8-11	9.70	7.98	53	50-62	56.6	54.4
3-OH-Isovaleric acid	µmol/L	16	8-17	10.8	10.2	70	46-74	57.2	58.0
Adipic acid	µmol/L	45	35-45	36.9	20.7	420	433-492	441	314


Detail Report (per analyte)

This report shows the day results of a specific analyte in comparison with historic results.

The first box shows the statistical data of your lab. Per Level the running Mean, SD and n are shown as well as the acceptance limits you have set.

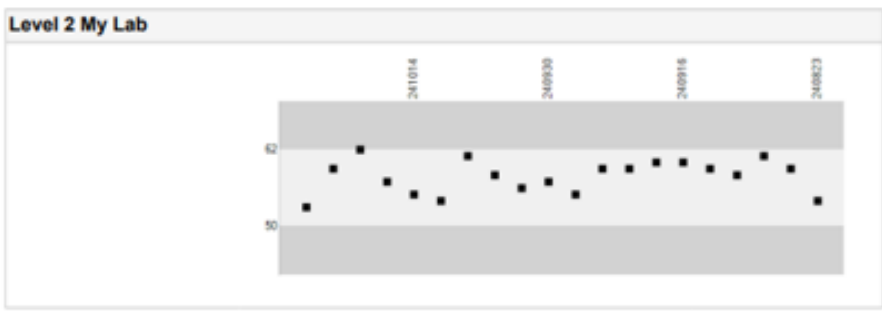
The second box shows the statistical data of All laboratories that submitted results: Mean, SD and n.

Below are the Shewhart charts for both levels. Every dot represents a result that your laboratory has submitted in this batch of comparison material. The data are ranked from the most recent result (on the left) to less recent result (on the right). The chart shows up to 20 results on the screen; by scrolling former results will appear. Run ID's are above the charts. The threshold between the light and dark grey zones are your acceptance limits. Dots in red are outside, dots in black within your acceptance limits.

 **Detail Report Batch 2022.189 : 3 methylglutaric acid**
Quantitative Organic acids (urine)
ERN0 XXXXXXXXXX

My Lab			
Parameter	Level 1	Level 2	
Mean	9.70	56.6	
SD	0.870	3.36	
N	68	67	
Accept Limits	8-11	50-62	

All Labs			
Mean	7.98	54.4	
SD	1.41	5.36	
N	7	7	




Cumulative Table

This report shows the cumulative data of the comparison materials per data per level.

The white columns show the name of the comparison material, the analyte names and units per analyte.

In the yellow section "My Statistics", the 4 columns show your Running Mean, Running SD, Running n (= the number of results you submitted) your acceptance limits.

In the green section "My Latest Results Runs", the columns show the four most recent results you submitted, starting with most recent run on the left. If you want to see more than four results you can click on the button "Excel": then you get an Excel file with all your results.



Cumulative Data Level 1
Quantitative Organic acids (urine)
Batch 2022.189

Cumulative Data Level 1		Batch 2022.189							
Quantitative Organic acids (urine)		My Statistics				My Latest Results Runs			
Analyte	Unit	My Running Mean	My Running SD	My Running n	My Accept Limits	241025 ERNO	241023 ERNO	241018 ERNO	241016 ERNO
2-OH Glutaric acid	µmol/L	41.7	7.36	67	40-60	53	40	39	49
3 methylglutaric acid	µmol/L	9.70	0.870	68	8-11	11	10	10	11
3-OH-Isovaleric acid	µmol/L	10.8	3.42	68	8-17	16	8	11	10
Adipic acid	µmol/L	36.9	3.75	67	35-45	45	35	31	38