Quality Assurance in Laboratory Testing for IEM

## **Certificate of Participation and Performance for 2023**

This certificate is to confirm that:

MILS International, (ERN0318)

ERNDIM

participated in the following External Quality Assurance schemes organised by ERNDIM in 2023 and has achieved performance in the individual schemes as shown.

It is essential that the laboratory's own detailed annual reports for each scheme be referred to alongside this Certificate. For the Quantitative schemes these are available from www.erndimqa.nl and for the Qualitative schemes these are available from cscq.hcuge.ch/cscq/ERNDIM/ or by contacting ERNDIM at admin@erndim.org.

## **Quantitative and Hybrid Schemes**

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|--|-----------------|---|--|---|
| The second secon |                 | Included<br>in the<br>scheme                                | For which<br>results<br>submitted (lab)  | Satisfactory<br>Performance   |
| Acylcarnitines in Serum []   | No              | CE IN LUCIATORY TESTING IN<br>ANCE IN LABORTORY TESTING     | NOTATLA STORAGE IN TROULDAY JOIN<br>A CONTRACT STORAGE IN TROULDAY JOIN                    | S IN ENGLAUTY ASSUMING IN LUCOM<br>Ing In Englauty assuming in Luc            |
| Amino Acids (serum) []   | EVOLUTION STATE | ASSURANCE IN LABORATORY T                                   | STING IN EXICULATE ANNURANCE IN LANDATO<br>Esting in Ienguaute Assurance in Landa          | TESTING IN EN CLAUTY ANSWERING IN<br>ON TESTING IN EUROPAUM ASSUMACE          |
| Cystine in White Blood Cells []  | No              | EQUALITY ASSUMING IN LARCE<br>En quality assume in La       | U DAY TESTING IN EMOLILITY ASSUMING IN L<br>Instant Testing in Emolality Assuming I        | BORATORY TESTING IN ENGLAUTY ASS<br>DEDUCTION TESTING INTERVIDUALITY A        |
| Cystine in White Blood Cells Interpretation []   | No              | IG IN EN CULUTI ASSURANCE<br>Ting in ien culuti Assura      | I MAGRATORY TESTING IN EN QUALITY ASSUME<br>IN MAGRATORY TESTING IN EN QUALITY ASS         | VE NUABORATORY TESTING IN ION OLA<br>Raive in Laboratory testing in Ion o     |
| Lysosomal Enzymes (fibroblasts) []   | No              | RY TESTING IN IEM QUALITY AS<br>JORY 1651ING IN IEM QUALITY | S RANCE IN LABORATORY TESTING IN ENDIANT<br>A SURVICE IN LABORATORY TESTING IN ENDIAN      | ASSUMANCE IN LABORATORY TESTING IN<br>ITY ASSUMANCE IN LITCHATORY TESTING     |
| Neurotransmitters in CSF []  | No              | ABORATORY TESTING IN IEM O<br>In LABORATORY TESTING IN IEM  | NOTI ASSUBLACE IN LARGENTORI TESTING IN E<br>Induity Assublance in Tracentory testing in   | V GLAUTY ASSURANCE IN LABORATORY T<br>INVOLATY ASSURANCE IN LABORATOR         |
| Neurotransmitters in CSF Interpretation []   | No              | ANCE IN LABORATORY TESTING<br>URANCE IN LABORATORY TESTI    | I ENGLALTY ASSERVE N LABORTON THE<br>IN ENGLALTY ASSERVE N LABORTON                        | NG IN EVIDENTY EXCERNIC IN LED<br>STAG IN EVIDENT EXCERNIC IN L               |
| Pterins in Urine []  | No              | TY ASSUMANCE IN LABORATORY<br>AUTY ASSUMANCE IN LABORATO    | STING IN ENGLIAUTY ASSUMANCE IN LABORA<br>21 TISTING IN ENGLIAUTY ASSUMANCE IN LABO        | DRY TESTING IN EMOLAUTY ASSUMPTION<br>ATORY TESTING IN EMOLINITY ASSUMP       |
| Pterins in Urine Interpretation []   | No              | EN QUALITY ASSURANCE IN LAB<br>N IEN QUALITY EXSURANCE IN   | C ATOM TESTING IN IEMICUAUM ASSUMING IN<br>A CONTON TESTING IN TEMOLAUM ASSUMING           | LABORITORY TESTING IN LEW QUALITY AS<br>IN UNOPATION TESTING IN LEW QUALITY   |
| Purines and Pyrimidines (urine) []   | No              | TING IN IEM CLAUTY ASSUMIN<br>TESTING IN IEM QUALITY ASSUM  | o in laboratory testing in emplauity ass.<br>A kee in laboratory testing in emplauity a    | ANNOE IN LABORATORY TESTING IN IEM D<br>SURANCE IN LABORATORY TESTING IN IO   |
| Quantitative Organic acids (urine) []  | No              | CONTRESING IN IEM CLAUTY<br>KATONY TESTING IN IEM CLAU      | A CURANCE IN LABORATORY TESTING IN ENDIN<br>TANGRENCE IN LABORATORY TESTING IN EN C        | ITY ASSUMANCE IN LABORATORY TESTING<br>ALTY ASSUMANCE IN LABORATORY TESTING   |
| Special Assays in Dried Blood Spots []   | No              | LABORATORY TESTING IN IEM<br>IN LABORATORY TESTING IN I     | C AUTY ASSUMANCE IN LABORATORY TESTING IN<br>DIGLAUTY ASSUMANCE III LABORATORY TESTING     | ENGLIGHT ASSUMANCE & LABORATORY<br>IN ENGLIGHT ASSUMING IN LABORATORY         |
| Special Assays Serum []  | No              | RANCE IN LABORATORY TESTIN<br>SSURANCE IN UNCRATORY TES     | e in ien quality assurance in laboritory to<br>T is in ien quality assurance in laboritory | ETING IN LEVI CUAUTY ASSURANCE IN LAE<br>TUSTING IN LEVI CUAUTY ASSURANCE IN  |
| Special Assays Urine []  | No              | UTY ASSURANCE IN DABOM TO<br>LIAUTY ASSURANCE IN LABORA     | TESTING IN IEM CLAUTY ISSUEARCE IN LABOR<br>TRY TISTING IN ION CLAUTY ASSUEARCE IN LA      | TORY TESTING IN ION OLIVLITY ASSURAN<br>GRATCHY TESTING IN EIN OLIVLITY ASSUR |

## **Qualitative Schemes**

| Description is a solution associate to description is no outrin associate a description terms in a count of solution associate to the solution of the solution associate to | Subscribed | Submitted<br>Results  | Satisfactory<br>Performance   |  |
|---|------------|---|---|--|
| Amino Acids Interpretation (data only)  | No         | IN LAR RELEASE TO THE THE DEPOSITION OF A CONTRACT AND A CONTRACT | NACE IN LABORATORY TESTING IN IEM CLAUTY ASSUMACE IN LABO<br>Summer IN LABORATORY TESTING IN IEM CLAUTY ASSUMACE IN L   |  |
| Congenital Disorders of Glycosylation (serum)   | No         | ASSURANCE IN LABORATORY TESTING IN ENICOLA<br>TY ASSURANCE IN LABORATORY TESTING IN ENIC  | IN ASSEMBLE IN DECEMBER TESTING IN EMICIALITY ASSEMBLE<br>NUTY ASSEMBLE IN LABORATOR — STINK, IN EMICIALITY ASSEMBLE<br>AND ASSEMBLE IN LABORATOR — STINK, IN EMICIALITY ASSEMBLE |  |
| Diagnostic Proficiency Testing (urine)  | No         | ICUALITY ASSUMING IN UNCONTON TISTING IN<br>EN CUALITY ASSUMING IN LINCONTONY TESTING   | EVOLUTI ASSUMICE IN UNORTON TISTINE IN EVOLUTI A<br>IN ENOLAUTY ASSUMICE IN LICENTON TESTING INTERNOLAUTY   |  |
| Qualitative Acyl Carnitines (DBS)   | No         | IS IN EMISSION ASSUMPTION IN LUCATION<br>TING IN EMISSION INCOMES IN LASONITOR<br>TRANSPORTATION ASSUMPTION   | THE IN ENGLAVITY ASSUMPTION IN LOCATORY TETMS IN ENGLAVITY ASSUMPTION (IN LOCATORY TETMS IN ENGLAVITY ASSUMPTION).  |  |
| Qualitative Organic Acids (urine)   | Yes        | Yes   | Yes   |  |
| Urine Mucopolysaccharides (urine)   | No         | ARCHATCH TESTING IN EMICIPALITY AND PRAVE<br>In Laboratory Testing in Eviduality Assuration<br>of International Testing in Eviduality Assuration  | N LACKTON TESTING IN ENGLANT RECEIVES IN LACKTON<br>I IN LACKNOW TESTING IN EXCLUDING ASSUMPTION LACKNOW<br>I IN LACKNOW TESTING IN EXCLUDING ASSUMPTION LACK                     |  |

Signed on behalf of ERNDIM, 14-05-2024

Dr R Artuch Chair, ERNDIM Executive Committee

ERNDIM ( European Research Network for evaluation and improvement of screening, Diagnosis and treatment of Inherited disorders of Metabolism, www.erndim.org) is a charitable foundation registered with the Maastricht chamber of Commerce (Registration number: 41078752) and coordinated by the ERNDIM Administration Office based in Manchester, UK by Manchester University NHS Foundation Trust and EMQN CIC.