

Biennial activity report from CEMIC, Buenos Aires Argentina

Organization Name: EQAS « BUENOS AIRES » CEMIC (ARG)

JCTLM Member status: Stakeholder Member

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Period covered: 2022 – 2023

1. Major achievement(s) in support of standardization in laboratory medicine

In 2021 two new EQAS areas were accredited under ISO/IEC 17043 (urine measurands and anemia markers in serum),

Major differences were observed in UFC (urinary free cortisol) and homocysteine. UFC measurement in 24hs urine collection is useful in the management of Cushing disease (CD). It is of utmost importance to use harmonized immunoassay methods (i.e. same specificity) and also to standardize the extraction step previous to the assay. ProgBA has undertaken a proposal for harmonization of CLU measurement, currently ongoing

Extracted from ProgBA's Final Reports 2022-2023

2. Planned activities in support of standardization in laboratory medicine

Plan for next two years:

To extend accreditation under ISO 17043 to new measurands (homocysteine).

To implement new surveys for harmonization of CLU

To include immunoassay EQA samples spiked with possible pharmaceutical interferences

3. Promoting traceability in laboratory medicine

WORKSHOPS: Quality Management in the Medical Laboratory, (online) Instituto Universitario CEMIC June – August 2022. BUENOS AIRES ARGENTINA (20hs)

PROFESSIONAL MEETINGS:

Urinary Free Cortisol Measurement and the need for its harmonization. Fenili C, Del Vecchio L, Chalabe S, Torres M. Congreso FASEN Argentinean Federation of Endocrine Societies September 2022, Rosario. ARGENTINA

Evaluation of available methods for Glycated Haemoglobin measurement (HbA_{1c}) through EQAS (ProgBA) results Chalabe S, Del Vecchio L, Fenili C, Torres M. Calilab November 2022, Mar del Plata. ARGENTINA

External Quality Assessment for Anemia markers: A new development available for clinical laboratories. Fenili C., Del Vecchio L., Chalabe S., Torres M. Calilab November 2022, Mar del Plata. ARGENTINA

Evaluation of a candidate lot for distribution as control material for EQAS of the measurement of SARS-CoV-2 by RT-PCR Chalabe, S; Martelli, A; Videla, C; Arechavaleta, M; Del Vecchio, L; Torres, M. 74° Argentinean Congress of Biochemistry 13-16 June 2023 BUENOS AIRES ARGENTINA

PARTICIPATION IN COURSES: Traceability is addressed in our participation

VI Course of Specialization in Endocrine Biochemistry 2022-2023 Argentine Society of Endocrinology and Metabolism SAEM (Quality Management and Analytical Quality)

Specialization post grade Career Management in the Clinical Laboratory (Analytical Quality and Evidence Based Medicine) 2022-2023 University of Buenos Aires, Pharmacy and Biochemistry School.

4. Open questions and suggestions to be addressed by JCTLM

We suggest that Blood transmitted diseases IRPs are of outmost importance.

Also the harmonization of steroid hormones immunoassays