

Jordan Military Laboratories Team – GForSS Group

Follow-up Meeting

September 2, 2025– Location: Zoom online

12:00 PM/ AMMAN – JORDAN

Participants

Jordan Military Laboratories	Arwa Al Hamayda Mutaz Al Masarweh Mohamad Hleil Mutasim Kafrawi
GForSS	Amine Kassouf Ruba Goussous Mustafa Sultan

Key Discussion Points

The meeting focused on advancing the effective use of laboratory instruments (LC-MS/MS, GC-MS, and ICP-OES) and identifying the support needed for their optimal operation.

1. Status of Analytical Instruments

- The team revisited the current progress in utilizing LC-MS/MS and emphasized finalizing the validation of methods for Zilpaterol and Ractopamine in beef muscle and liver.
- The availability of QuEChERS kits was noted, paving the way for expanding future activities to include pesticide residue analysis.
- Promising preliminary results were shared by the military labs, positioning them as potential national pioneers in applying these methods and participating in related proficiency testing (PT) programs, with the prospect of expanding their accreditation scope.

2. Expanding Use of GC-MS and ICP-OES

- The instruments could broaden testing capabilities to include:
 - Heavy metals (Pb, Cd, Ti, etc.)
 - Pesticide residues
 - Veterinary drug residues
- Key requirements include completing validation reports, engaging in PT programs, and fulfilling accreditation procedures.
- Enhanced utilization would enable stronger collaboration with national authorities such as JFDA, the Ministry of Agriculture, and other stakeholders, particularly in contaminant and residue monitoring programs.

3. ICP-OES Challenges

- Effective use requires:
 - A dedicated analyst to run tests
 - Backup personnel and quality control staff
 - Adequate training programs, written SOPs, and appropriate sample preparation facilities

4. GFORSS Support

- The GFORSS team reiterated its readiness to provide technical guidance and facilitate connections with technology providers to support the laboratory's needs.

5. AOAC Arab Section Updates

- Participants were also updated on ongoing AOAC Arab Section activities, including the Proficiency Testing pilot program and the Gluten Management Initiative.

Next Steps

Joint Actions

- Schedule a meeting with senior leadership to secure endorsement of the proposed plan.

GFORSS Team

- Draft a detailed workplan for the upcoming period, to be reviewed and approved by both institutions.
- Provide the military laboratory team with tools (Excel worksheet, report template) to finalize the validation report for the LC-MS/MS method (Ractopamine/Zilpaterol).
- Identify suitable PT programs for the validated method.

Military Laboratory Team

- Initiate experimental work to complete the validation report for Ractopamine and Zilpaterol in collaboration with GFORSS.

Next Meeting

- Ongoing communication will continue through established channels (e.g., WhatsApp).