



D4.2 Quantitative results of antibiotics in water

Workpackage 4

Responsible Partner: 2-AGES,
34-PIWET

Contributing partners: 7-SZU, 14-UT, 23-UoS,
25 NUIG, 36-INSA



GENERAL INFORMATION

European Joint Programme full title	Promoting One Health in Europe through joint actions on foodborne zoonoses, antimicrobial resistance and emerging microbiological hazards
European Joint Programme acronym	One Health EJP
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DOCUMENT MANAGEMENT

Title OHEJP deliverable	Quantitative results of antibiotics in water
WP and task	WP4: Determination of the selection pressures in the tested compartments of human, animal and environmental ecosystems Task 2: Quantification of four antimicrobial classes (tetracyclines, macrolides, sulphonamides and fluoroquinolones) in aqueous matrices (water)
Leader	Martin Brandtner (2-AGES), Anna Gajda (34-PIWET)
Other contributors	7-SZU, 14-UT, 23-UoS, 25 NUIG, 36-INSA
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Dissemination <i>Author's suggestion to inform the following possible interested parties.</i>	OHEJP WP 1 <input type="checkbox"/> OHEJP WP 2 <input type="checkbox"/> OHEJP WP 3 <input checked="" type="checkbox"/> OHEJP WP 4 <input type="checkbox"/> OHEJP WP 5 <input type="checkbox"/> OHEJP WP 6 <input type="checkbox"/> OHEJP WP 7 <input type="checkbox"/> Project Management Team <input checked="" type="checkbox"/> Communication Team <input checked="" type="checkbox"/> Scientific Steering Board <input type="checkbox"/> National Stakeholders/Program Owners Committee <input type="checkbox"/> EFSA <input type="checkbox"/> ECDC <input type="checkbox"/> EEA <input type="checkbox"/> EMA <input type="checkbox"/> FAO <input type="checkbox"/> WHO <input type="checkbox"/> OIE <input type="checkbox"/> Other international stakeholder(s): Social Media: Other recipient(s):



D-JRP15-FED-AMR-WP4.2: QUANTITATIVE RESULTS OF ANTIBIOTICS IN WATER

Preliminary Remarks

This deliverable D-JRP15-FED-AMR-WP4.2 relates to WP4 task 2 'Quantification of four antimicrobial classes (tetracyclines, macrolides, sulphonamides incl. trimethoprim and fluoroquinolones) in aqueous matrices (water)' led by Anna Gajda (34-PIWET) and describes the analytical results carried out on those matrices.

This project is an ongoing effort, however, due to the delay in sample collection (arising from COVID-19 restrictions), the progress of this task is behind the original schedule.

Description of action

The water samples were collected from different water types and countries at different time points, as part of the sampling campaign lead by WP2 partners. For more information on the water sample collector, sampling timeline, manure sample distribution, sample transportation, sample identifiers used, please see D-JRP15-FED-AMR-WP2.1, Annexes 1 to 4 and Annex 9. All collected samples were sent by the involved institutes within FED-AMR to 34-PIWET in Poland for further antibiotic detection in water samples as described in D-JRP15-FED-AMR-WP4.1, Annex 1.

Description of deliverable

This deliverable provides quantitative results of antibiotics in water. These results will be exchanged with other WPs, namely with WP2, in order to associate the presence of certain antibiotics in water samples with their corresponding resistance genes, which have been detected by target enrichment.

Confidentiality of the deliverable

This deliverable is public, however, results associated to this deliverable are confidential until published, and are shown in Annex 1 to this deliverable.