



INTERNATIONAL BIODETERIORATION RESEARCH GROUP

Functional Fluids Group (FFG): Annual Report 2025

Report No: IBRG FFG26-001

The Functional Fluid Group met twice in the 2025 period. The first meeting, which was the 52nd FFG meeting, was held on the 21st of May 2025 online. The 53rd FFG meeting took place on the 6th of November 2025 and was held in Cologne, Germany in-person. International delegates from Europe, USA, China and Japan were welcomed at both meetings, representing companies from industry, academia, consultancies and testing institutes.

The group's primary research activities are focused on:

- Issues arising from Guidance on Consortia for PT 12 Oil and Gas Preservation against Anaerobic Contamination (Planktonic and Sessile). A new method addressing this issue is anticipated for publication in 2026.
- Wood Treatment Preservation
- Leather Processing Solutions (Soaking baths for Raw Hides)
- Curative Action against Fungi in Cooling water (Planktonic and Sessile).

In 2025 the Function Fluids Group updated and re-issued the following methods:

- **IBRG FFG16-001**: A Method for Determining the Basic Efficacy of Biocidal Active Substances used in Aqueous-Based Metalworking Fluids for their Protection in Use
- **IBRG FFG23-005** : A Method for the Evaluation of Biocidal Compounds in Aqueous-Based Lithographic Fountain Solutions
- **IBRG FFG21-011**: A Method for Determining the Basic Efficacy of Biocidal Active Substances used as Curative Agents against Anaerobic Planktonic Bacterial Populations and Biofilms in Aqueous-Based Systems..
- **IBRG FFG21-010**: Efficacy of Products used as Preservatives of Fluids Used in the Oil and Gas Extraction Industries.
- **IBRG FFG21-009**: Efficacy of Products used as Preservatives of Fluids in the Oil and Gas Extraction Industries (Anaerobic Planktonic Populations – Preservative Action)
- **IBRG FFG21-008**: A Method for Determining the Basic Efficacy of Biocidal Active Substances used as Curative Agents against Aerobic Planktonic Bacterial Populations and Biofilms in Aqueous-Based Systems.
- **IBRG FFG19-008**: A Method for Determining the Basic Efficacy of Biocidal Active Substances used as Slimicides in Aqueous-Based Paper Pulps.
- **IBRG FFG19-007**: Method for Determining the Basic Efficacy of Biocidal Active Substances used in Aqueous-Based Cooling Fluids to Prevent the Formation of Biofilms.
- **IBRG FFG19-006**: A Method for Determining the Basic Efficacy of Biocidal Active Substances used in Aqueous-Based Cooling Fluids for their Protection in Use.

The Functional Fluid Group will meet again in 2026 online on the 22nd April and in Manchester UK on the 17th of September.

Chairperson:
James Redfern

Technical Secretary:
Gillian Iredale