

Environmental monitoring: a critical and challenging requirement

Environmental monitoring (EM) is one the main microbiological controls that the biotechnology and pharmaceutical industries perform. The classical method is extremely manual, variable and error-prone, but it remains the standard procedure used in industry for hundreds of millions of samples per year. It is inevitable, with this high number of samples, that errors occur – data integrity failures, incorrect enumerations, missed samples, all leading to time-consuming and expensive investigations which ultimately impact patient safety. As a strategic pillar, to ensure companies maintain compliance, EM must be robust and reliable at every single step.

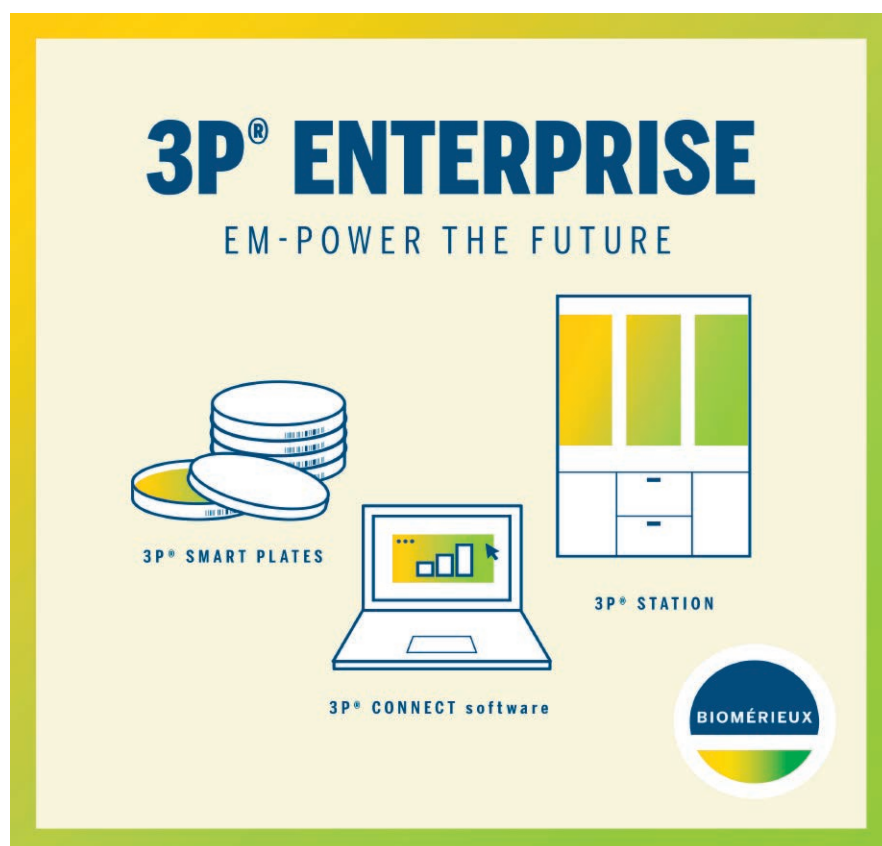
3P® ENTERPRISE: a new system is emerging

The 3P® ENTERPRISE – an end-to-end solution that fully digitalises and automates the EM process – has been developed by bioMérieux to fully address the daily industrial challenges of EM. 3P® ENTERPRISE is a combination of three key elements that, when leveraged together, deliver significant value to companies looking to improve their processes.

The first part of the solution is the 3P® SMART PLATES. Enhanced with a new ultra-clear design and GS1 barcode labelling, the plates form the heart of 3P® ENTERPRISE.

3P® CONNECT software* is the second part of the solution. The software automatically and immediately collects, tracks and saves all the actions and data related to EM. This removes the paperwork process and so decreases the risk of errors and win time during the entire EM process. Ultimately this enables companies to make reliable decisions, maximise efficiency and improve compliance.

Finally, there is the 3P® STATION, an instrument that automates the incubation and counting of microbiological colonies on EM Petri dishes in real time. A combination of high performance algorithms and high definition images taken every hour mean that there is a standardised reading of plates (no human error) and alerts are raised should a sample exceed its specification, allowing corrective actions to be taken rapidly. The solution is able to deliver significant efficiency gains. Not only are all the manual reading steps currently undertaken in a laboratory removed, but as the 3P® STATIONS can be placed much closer to the manufacturing floor, incubation can start sooner and therefore results obtained more quickly, allowing users to take the right action, faster. The 3P® STATION system has been validated alongside the manual method and provides an end-to-end solution that has been proven to be at least as good the manual method.



From planning to data reporting, pharmaceutical sites now have the ability to supervise EM control at all stages of the process. Combined with the possibility of having faster results, which could lead to earlier product release and faster turnaround of production lines after cleaning validation, 3P® ENTERPRISE delivers a financially viable solution and greater peace of mind.

A dedicated range of services

We know that pharmaceutical industries are not just investing in a digital system that has a great range features. Process changes that need to be made are not always easy and so our experts are available to support clients through the implementation of 3P® ENTERPRISE to ensure a timely installation and validation. ☑



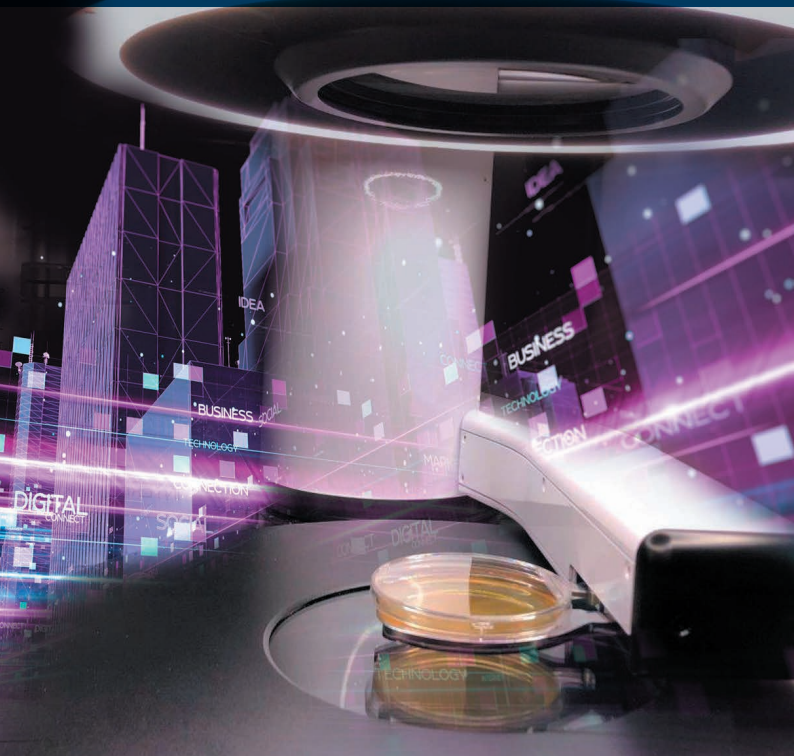
For more information,
please consult our website:

<https://www.3p-environmental-monitoring.com/>

* 3P® CONNECT software is powered by Mirrhia®, a company dedicated to the international distribution of environmental monitoring and contamination control solutions.



3P® ENTERPRISE: EM-POWER THE FUTURE



Christie D. K.
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bioMérieux

Transform your Environmental Monitoring (EM) program with an end-to-end digitalization and automation solution to maximize efficiency and data integrity. With a fully automated solution from plate to result – we can help keep you compliant and audit-ready. The 3P® legacy is one of delivering proven performance when it comes to effective pharmaceutical contamination control. As your partner, we are now digitalizing your entire process to take control of your EM program.

Learn more at biomérieux-industry.com

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