

New partnership strives to tackle milk fraud with automated testing platform

Digi.Bio and SwissDeCode are joining forces to accelerate the automated detection of milk fraud.

The product of this partnership, funded by the EUREKA-Eurostars program, is a platform which consists of an integrated hardware device and embedded software that allows milk validation analysis to be performed autonomously at the point of need, delivering certified results without requiring technical personnel.

“We will leverage the power of digital microfluidics to automate testing assays and bring the precision of DNA-testing from molecular biology laboratories to production sites in the milk industry “, says Federico Muffatto, CEO at Digi.Bio.

The platform will allow companies in the dairy sector to quickly verify the authenticity of milk, by detecting, for example, undeclared milk of other species mixed in the sample tested. This will prevent delays, disruptions to the supply chain and food recalls.

“Milk adulteration is a common issue, which we have come across in our interactions with the food industry during the past few years. We are excited that our partnership will bring a new solution for this problem “, says Brij Sahi, Co-founder & CEO at SwissDeCode.

About the two companies

Digi.Bio

Digi.Bio is a digital biology company with a vision to make biology programmable. We develop tools and technology that allows highly controlled manipulation of droplets using electrowetting and digital microfluidics to execute complex laboratory workflows. Our technology requires no pumps, no complex chip designs; and employs programmable biochips where one chip can support many applications. Currently based in Amsterdam, we are a 3-year young company with a small multidisciplinary team of motivated individuals with hardware, software (AI) and biology backgrounds.

SwissDeCode

SwissDeCode was founded in 2016, after the co-founders understood how rapid DNA detection solutions could improve the integrity of the food supply chain. With several rapid testing kits already in the market, we have been helping companies in different parts of the food supply chain to detect food contamination and adulteration earlier, to avoid food recalls and to ensure customers can trust their products. Currently, we are transforming our range of rapid solutions in an automated platform which will change the way companies carry out their testing, making the process faster, self-administered and directly at the point of need.

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