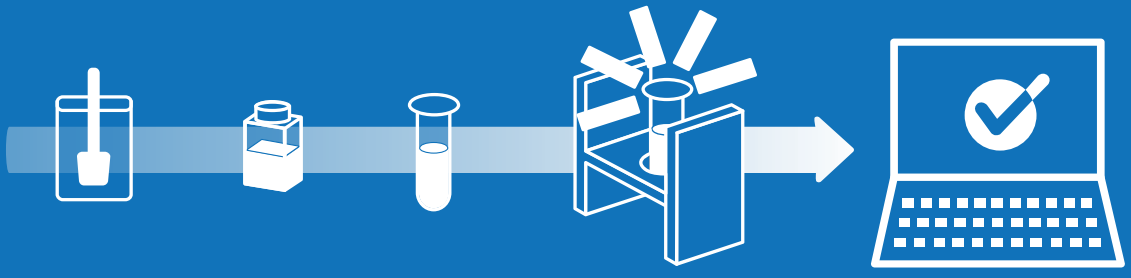
sample6 DETECT

In-Plant
In-Shift
Pathogen
Detection



How It Works

1

Collect
Swab the surface with a sponge and return it to a bag

2

Process
Add the Sample6 Solution to the sponge

3

Incubate
Incubate at 30° C

4

Centrifuge
Transfer the liquid from the sponge and centrifuge to clear any large debris

5

Detect
Place the tube in the reader. Results are read in seconds and automatically uploaded.

Shifting food safety from reaction to prevention

Current technologies to identify bacterial contamination in food processing environments can take several days to yield results, putting the safety of the food supply at risk. **Sample6 DETECT/L** provides the world's first in-plant, in-shift pathogen detection for listeria. Our technology allows you to revolutionize your testing program and better protect your company, your customers and consumers.

Sample6 DETECT/L

In-plant

Sample6 DETECT/L has been designed for use in plant. By using standard materials and processes in combination with the Sample6 Solution, we have created a Listeria diagnostic that fits easily into your workflow, your team and your space at the plant.

In-shift

Everything from the initial sample to the final determination can be completed with just a few minutes of hands on time within a single shift. You can rest easier at night knowing that your team has actionable results from today's testing to hand over to sanitation each night.

Enrichment Free

We know how hard you work to keep your plant and your product safe.
We are proud to offer the first test that supports your efforts by avoiding enrichment. We are able to safely and quickly detect a single cell by using our Bioilluminiation Platform ™ for amplification.

Benefits

Specificity
Highly specific design reduces the stress and expense of false positives

Sensitivity
Sensitive enough to detect a single Listeria cell without enrichment

Ease of Use
Only minutes of hands on time per sample

Time to Results
Actionable results within a single shift

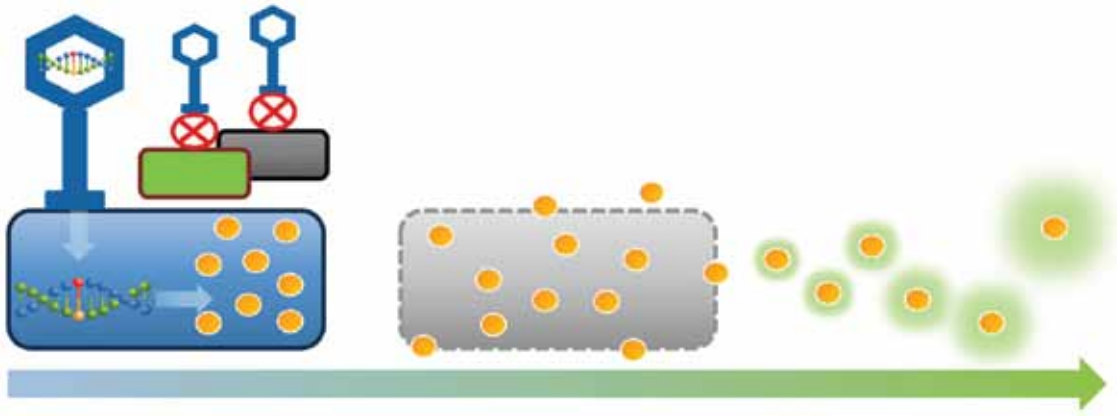
Software
Automatically read and record results

System Components

Sample6 DETECT/L Solution Kit
Sample6 DETECT Reader
Sample6 DETECT Centrifuge
Computer workstation

Technology

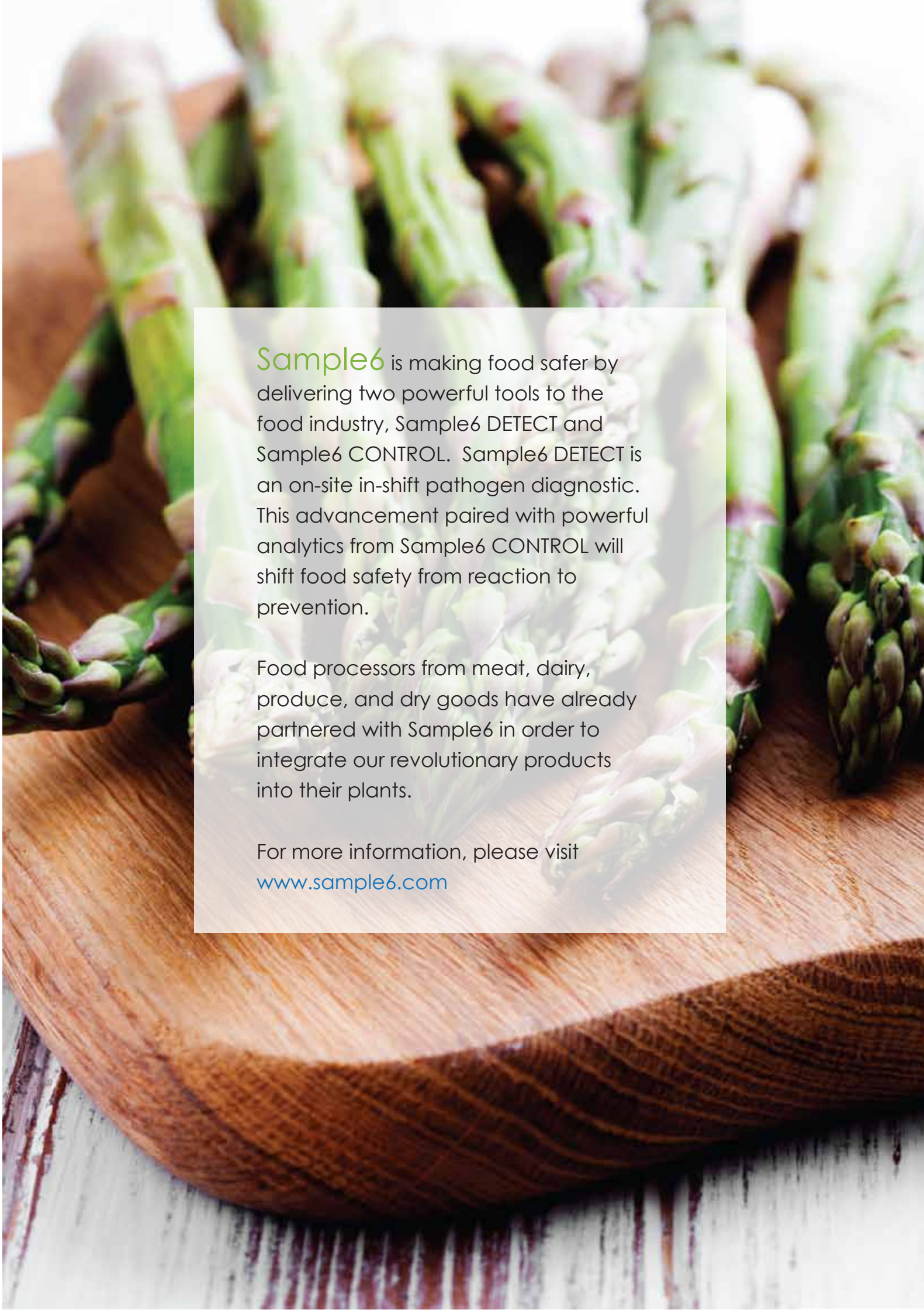
Sample6 has developed the world's first enrichment-free pathogen diagnostic system. The Bioillumination Platform™, developed by Professor Tim Lu (MIT) and Dr. Michael Koeris, utilizes synthetic biology to target bioparticles and "light up" specific unwanted bacteria. Through this technology, we are able to detect a single cell in just a few hours.



Sample6 phage interacts specifically with target pathogen cells

Bacteria produce reporter protein

Cells lyse and the reporter is detected



Sample6 is making food safer by delivering two powerful tools to the food industry, Sample6 DETECT and Sample6 CONTROL. Sample6 DETECT is an on-site in-shift pathogen diagnostic. This advancement paired with powerful analytics from Sample6 CONTROL will shift food safety from reaction to prevention.

Food processors from meat, dairy, produce, and dry goods have already partnered with Sample6 in order to integrate our revolutionary products into their plants.

For more information, please visit www.sample6.com

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