

3M
Health
Care
Academy



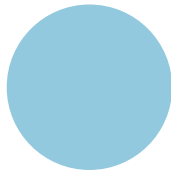
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“Foodborne disease ... is a large and **growing** public health problem”

Most countries with systems for reporting foodborne disease have documented **significant increases**

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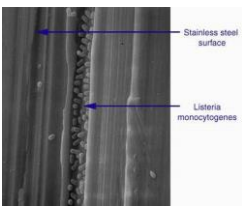
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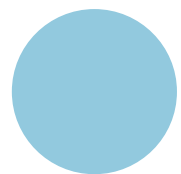
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What is on the Horizon? Food Safety Modernization Act (FSMA)

Mandatory Preventive Controls Sec 103

- Environmental monitoring programs
- Sanitation and cleaning requirements
- Allergen control
- Mitigation of hazards
- Supplier verification

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3M™ Molecular
 Detection System



3M™ Tecra Visual
 Immunoassay



3M™ Petrifilm™ *Salmonella*
 Express System & 3M
 Petrifilm Environmental
Listeria



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Date	Event
FRI 18-Nov	Positive <i>Salmonella</i> isolated from Zone 1. Production shut-down.
SAT 19-Nov	Extensive vector sampling in Zones 1, 2 and 3.
SUN 20-Nov	Rapid 20h <i>Salmonella</i> testing located the source of the contamination – the trail from Zone 3 → Zone 2 → Zone 1 was determined. Targeted cleaning and sanitizing of the contaminated areas. Extensive sampling of cleaned areas.
MON 21-Nov	Rapid 20h <i>Salmonella</i> testing confirmed that cleaning and sanitizing was successful. Production starts-up once again.



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Date	Event – Rapid Salmonella Test	Traditional Salmonella Test
FRI 18-Nov	Positive <i>Salmonella</i> isolated from Zone 1. Production shut-down.	
SAT 19-Nov	Extensive vector sampling in Zones 1, 2 and 3.	
SUN 20-Nov	Results completed → re-clean and retest.	WAITING
MON 21-Nov	Retest results completed →	WAITING
TUE 22-Nov	Results completed → re-clean and retest.	WAITING
WED 23-Nov	Retest results completed → start production	WAITING
THU 24-Nov		WAITING
FRI 25-Nov		WAITING
SAT 26-Nov		WAITING
SUN 27-Nov		WAITING

One week of production costs
What is that worth to you?

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Key Points
Using a rapid 20h Salmonella test allowed very high-speed detection of contamination source...
... and allowed rapid confirmation of cleaning effectiveness.
This factory now uses rapid Salmonella testing **ROUTINELY**.



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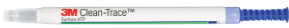
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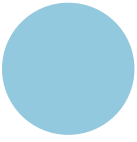
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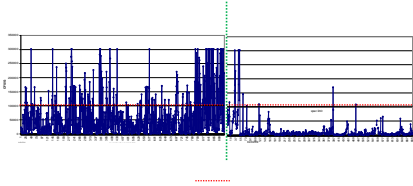
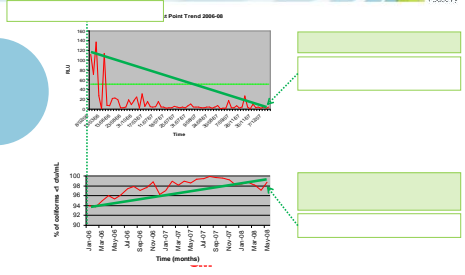
	Visual Assessment	Microbiological Tests	ATP Tests
Rapid	+	-	+
Sensitive	-	+	+
Quantitative	-	+	+
Detect product residues	+	-	+
Simple	+	-	+

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Swab/Dip Click and Read

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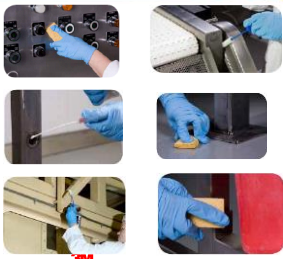
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Facility



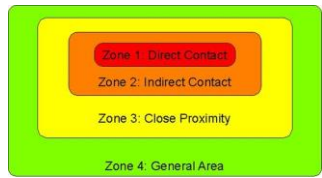
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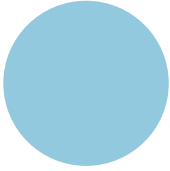
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	✓	✓	✓	✓
	✓		✓	

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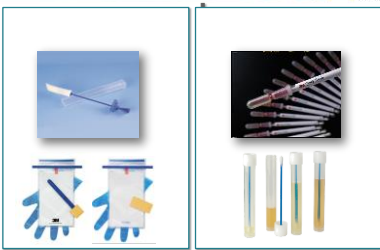
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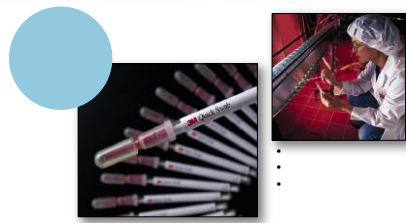
Consistent, reliable results.
Every time.

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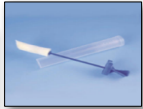
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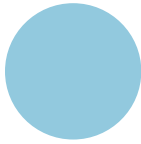


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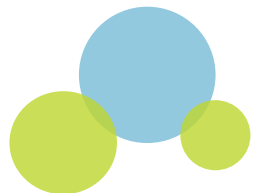


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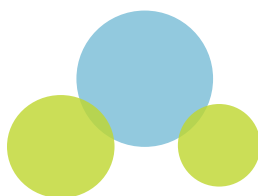




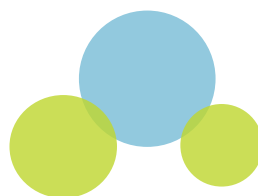
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