



## Comparison of SystemSURE Plus ATP Hygiene Monitoring System to SpotCheck & SpotCheck Plus Color Metric Food Residue Surface Tests

### Dairy products

Product	Detected by		Lowest dilution detected		
	SpotCheck	ATP	SpotCheck	SpotCheck <sup>Plus</sup>	ATP
Skimmed Milk (<0.1% Fat)	✓	✓	NT	1/100	<1/100 - 1/1000
Semi-skimmed Milk (1.7% Fat)	✓	✓	NT	1/100	<1/100 - 1/1000
Whole Milk (3.6 % Fat)	✓	✓	NT	1/100	<1/100 - 1/1000
<i>Flavoured Milk (Long Life)</i>					
- Banana	✓	✓	NT	<1/10 - 1/100	<1/10 - 1/100
- Chocolate	✓	✓	NT	<1/10 - 1/100	<1/10 - 1/100
Milk Shake Low Fat (Vanilla)	✓	✓	NT	<1/100	<1/100
<i>Thick Shake</i>					
- White Choc	✓	✓	NT	1/100	<1/100
- Strawberry	✓	✓	NT	1/100	<1/100
<i>Desserts</i>					
Single cream (18% Fat)	✓	✓	NT	1/100	<1/100
Double cream (48% Fat)	✓	✓	NT	1/100	<1/100
Double cream with brandy	✓	✓	NT	1/10	1/10
Mousse Lite (Raspberry)	✓	✓	NT	<1/100	<1/1000
Dairy Rice	✓	✓	1/100	1/100	1/100
Custard - vanilla	✓	✓	NT	1/100	1/10
<i>Fermented products</i>					
Natural yogurt	✓	✓	NT	1/100	1/100
Fruited yogurt (Peach)	✓	✓	1/100	1/100	<1/100
Drinking Yogurt (Raspberry)	✓	✓	NT	1/100	<1/100
Cottage cheese	✓	✓	<1/10	<1/10	1/100
Cottage cheese with pineapple	✓	✓	<1/10 - 1/100	<1/10 - 1/100	1/100
Cottage cheese with vegetables	✓	✓	<1/10 - 1/100	<1/10 - 1/100	1/100
<i>Non-dairy milk</i>					
Soya Milk	✓	✓	Neat	Neat	1/100 - 1/1000

NT = Not Tested

ND = Not Detected

Brands:

Danone Activa; Muller rice; Onken; Frijj; Yoplait Yop; Gulp (Arla Foods); So Good;

Supermarket own label (JS).

**Conclusion**

- SpotCheck<sup>Plus</sup> detects a wide range of dairy products
- SpotCheck<sup>Plus</sup> gives similar results to that of ATP bioluminescence
- ATP Bioluminescence is slightly more sensitive than SpotCheck

Dairy products containing fruit are also detected by SpotCheck