



## Molecular Platform for Pathogen Detection

Greater accuracy

Faster results

Minimal investment



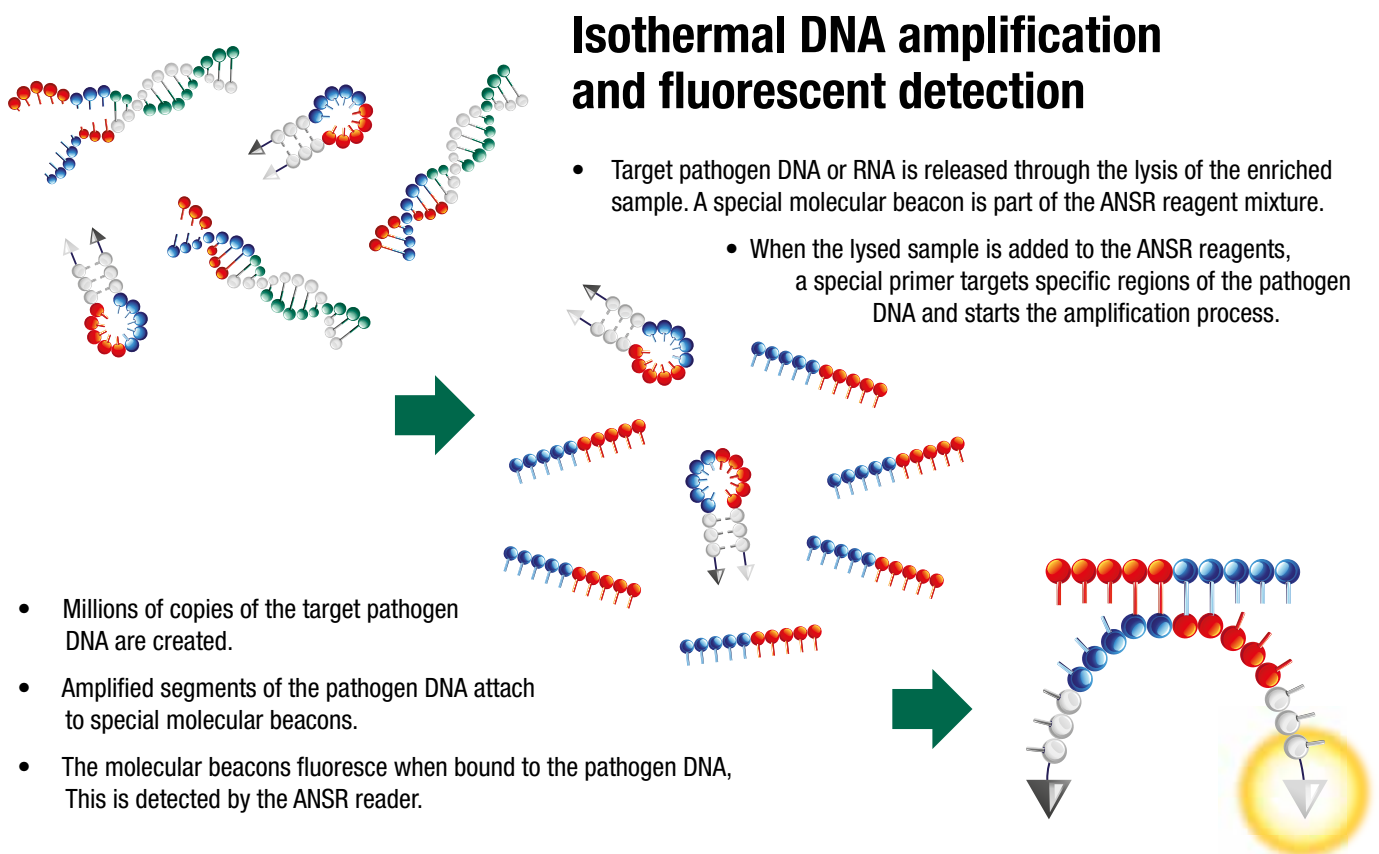
# What is ANSR®?

The food industry has emphasised a need for a quicker, easier and precise pathogen test to lessen the chances of contaminated food products reaching their customers.

Unlike other molecular technologies, ANSR (Amplified Nucleic Single-Temperature Reaction) utilises patent-pending, unique amplification reaction technology for in vitro DNA amplification at a constant temperature.

ANSR provides genetic level detection of low level specified targets in as little as 10 minutes following enrichment. ANSR's enrichment and assay result in minimal matrix effects compared to conventional methods, in both food matrices and environmental samples.

## How does ANSR work?



**AMPLIFICATION  
AND DETECTION**

**CONTINUOUS AND  
RAPID RESULTS**

**FASTER  
DETECTION TIME**

# Benefits

- **NEW TECHNOLOGY**  
ANSR offers accurate DNA based detection and eliminates many of the limitations of other technologies available
- **GREATER ACCURACY**  
ANSR provides genetic level discrimination of specified targets at  $10^4$  and  $10^2$  cfu/mL
- **FASTER RESULTS**  
Results in less than 24 hours
- **MINIMAL INVESTMENT**  
Low initial investment with sensible operating cost
- **MINIMAL FOOTPRINT**  
ANSR's compact size makes it easy to fit in any laboratory setting



# Products and validations

## ANSR *Salmonella*

Detection at  $10^4$  cfu/mL in 10 minutes

### Validations:

*Salmonella* AOAC-PTM 061203

## ANSR *Listeria ssp.*

Detection at  $10^2$  cfu/mL in 18 minutes

### Validations:

*Listeria ssp.* AOAC-PTM 101202  
AFNOR NF Pending

## ANSR *Listeria Monocytogenes*

Detection at  $10^4$  cfu/mL in 10 minutes

### Validations:

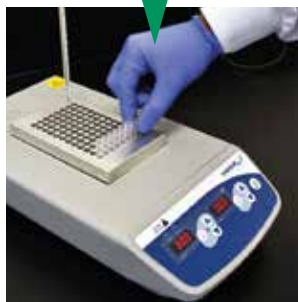
*Listeria monocytogenes*  
AOAC-PTM 061506

# Quick and Easy Process

## ENRICHMENT



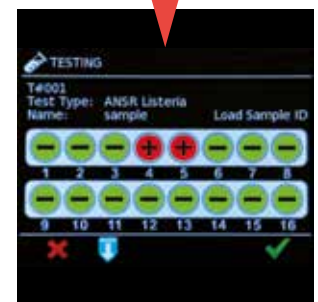
## LYSIS



## DETECTION



## RESULTS





Neogen has been a leader in foodborne pathogen detection since 1996. ANSR is a molecular platform for pathogen detection which is backed by our unmatched technical support and our years of experience in genomics and food safety diagnostics.

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TRIAL**

## Ordering Information

Item No.	Description	Item No.	Description
9870	ANSR for Salmonella – up to 96 tests	9871	ANSR for <i>Listeria</i> species
9811	ANSR for Salmonella Enrichment Broth 1 (500 g) – for use with processed meat and for processed foods with a moderate to high microbial load	9824	ANSR for <i>Listeria monocytogenes</i>
9812	ANSR for Salmonella Enrichment Broth 2 (500 g) – for use with raw meat and poultry carcass rinses	9837	ANSR 2-Block Basic System (reader with computer, 2-block lysis system, 20–200 µL pipette, 100–1000 µL pipette, multichannel pipette)
9813	ANSR for Salmonella Enrichment Broth 3 (500 g) – for use with processed foods with a low microbial load and environmental samples	9829	ANSR Lysis Block
9816	ANSR for Salmonella Enrichment Broth 4 (500 g) – for use with pet food	9790	Less Plus 500g
9262	Buffered Peptone Water (BPW)	9836	ANSR 2-Block Lysis System (2 lysis blocks, 2 heater blocks, 2 thermometers)
ES/SM3-B	Supplement A	9386	Heater Block
ES/SM2-B	Supplement B	9828	ANSR Reader
		9828C	ANSR Reader with Computer



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