

Asia-Pacific Special  
Nutrients Sdn Bhd

(707628-A)

A BioNexus Status Company

(NO. BNX 100076)

Lot 18B, Jalan 241

Sekysen 51A

46100 Petaling Jaya

Selangor, Malaysia

T (603) 7873 6405

(603) 7873 7355

F (603) 7873 9209

E [doyew.tan@merial.com](mailto:doyew.tan@merial.com)



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Innovations and Solutions

[www.apsn.com.my](http://www.apsn.com.my)

# AVIAN

One of the key management actions in successful poultry farming is good flock health management. A routine health screening program preempts the producer to initiate actions on the threats of various infectious and non-infectious agents that may seriously affect the performance of the flock. In addition quality control monitoring will ensure poultry products produced are wholesome for consumption and free from microbial contamination and hazardous chemicals.

## FEATURES

APSN offers validated quality diagnostic test kits to detect poultry pathogens and harmful agents

- Detects bacterial, viral, fungal, parasitic and other diseases
- Detects antibiotic, toxin and chemical residues
- Better disease control and prevention
- Ensure profitable and environmental friendly poultry farming

## PRODUCTS

### Detection of Avian Viral Pathogens

#### PCR Technology

APSN Avian Pneumovirus (APV)  
PCR Detection Kit

APSN Chicken Anaemia Virus (CAV)  
PCR Detection Kit

APSN Newcastle Disease Virus (NDV)  
PCR Detection Kit

APSN Infectious Bronchitis Virus (IBV)  
PCR Detection Kit

APSN Infectious Bursal Disease Virus (IBDV)  
PCR Detection Kit

APSN Infectious Laryngotracheitis (ILT)  
PCR Detection Kit

APSN Reovirus PCR Detection Kit

#### Real-Time PCR Technology

APSN Avian Pneumovirus (APV)  
Real-Time PCR Detection Kit

APSN Chicken Anaemia Virus (CAV)  
Real-Time PCR Detection Kit

APSN Newcastle Disease Virus (NDV)  
Real-Time PCR Detection Kit

APSN Infectious Bronchitis Virus (IBV)  
Real-Time PCR Detection Kit

APSN Infectious Bursal Disease Virus (IBDV)  
Real-Time PCR Detection Kit

APSN Infectious Laryngotracheitis (ILT)  
Real-Time PCR Detection Kit

APSN Reovirus Real-time PCR  
Detection Kit

### Detection of Avian Bacterial Pathogens

#### PCR Technology

APSN Campylobacter PCR Detection Kit

APSN Multi™ *Mycoplasma Gallisepticum*/  
*Mycoplasma Synoviae* PCR Detection Kit

APSN Listeria PCR Detection Kit

APSN Salmonella PCR Detection Kit

APSN Multi™ Vancomycin Resistant  
Enterococci (VRE) PCR Detection Kit

APSN Vibrio PCR Detection Kit

#### Real-Time PCR Technology

APSN Campylobacter Real-Time PCR  
Detection Kit

APSN Listeria Real-Time PCR Detection Kit

APSN Salmonella Real-Time PCR  
Detection Kit

APSN Vibrio Real-Time PCR Detection Kit

### Detection of Toxins in Animal Feed

#### Liquid Chromatography Tandem Mass Spectrometry (LC/MSMS) Technology

APSN Multi™ Mycotoxins Detection Kit  
for Animal Feed

### Detection of Drug and Chemical Residues

#### Liquid Chromatography Tandem Mass Spectrometry (LC/MSMS) Technology

APSN Multi™ Chloramphenicol/  
Phenicol Residue Detection Kit

APSN Multi™ Nitrofurans Residue  
Detection Kit

APSN Multi™ Penicillins Residue  
Detection Kit

APSN Multi™ Quinolones Residue  
Detection Kit

APSN Multi™ Sulphonamides Residue  
Detection Kit

APSN Multi™ Tetracyclines Residue  
Detection Kit

### Other Tests

APSN Rapid Water Quality Assessment  
Test Kit

### Sampling Materials

APSN Sterile Sampling Media Bottle

APSN Sterile Buffered Peptone Water

APSN Sterile Environmental Swab (Large)

APSN Sterile Environmental Swab (Small)

APSN Sterile Cotton Swabs

### Ready-to-use Agar Plates

APSN Total Bacteria Count Agar Plate

APSN Coliform/E.coli Count Agar Plate

APSN Mould and Yeast Count Agar Plate

APSN Pseudomonas Count Agar Plate

APSN Staphylococcus Count Agar Plate

APSN Salmonella Count Agar Plate

# FOOD SAFETY

Food safety is a primary priority for food producers, manufacturers, consumers and regulatory authorities. The Food Act lists the types and levels of adulterants and contaminants which are permissible to protect consumers. These adulterants and contaminants are listed because of their potential to cause short or long term foodborne illnesses and poisoning. Routine screening and monitoring of the production processes – from the raw materials to finished products will reduce the risk of contamination by microbes, toxins and hazardous chemicals.

## FEATURES

Validated quality diagnostic test kits to detect the presence of harmful agents in food

- Detection of bacterial, viral, fungal, parasitic and other foodborne diseases
- Detection antibiotic, toxin and chemical residues
- Assisting in food safety regulatory compliance
- Safeguarding public health

## PRODUCTS

### Detection of Foodborne Bacterial Pathogens PCR Technology

APSN Campylobacter PCR Detection Kit  
APSN Listeria PCR Detection Kit  
APSN Salmonella PCR Detection Kit  
APSN Multi™ Vancomycin Resistant Enterococci (VRE) PCR Detection Kit  
APSN Vibrio PCR Detection Kit

### Real-Time PCR Technology

APSN Campylobacter Real-Time PCR Detection Kit  
APSN Listeria Real-Time PCR Detection Kit  
APSN Salmonella Real-Time PCR Detection Kit  
APSN Vibrio Real-Time PCR Detection Kit

### Detection for Halal Verification PCR Technology

APSN Multi™ Porcine Derivative PCR Detection Kit

### Detection of Toxins

Liquid Chromatography Tandem Mass Spectrometry (LC/MSMS) Technology  
APSN Multi™ Mycotoxins Detection Kit for Food Products

### Detection of Drug and Chemical Residues

Liquid Chromatography Tandem Mass Spectrometry (LC/MSMS) Technology  
APSN Multi™ Chloramphenicol/ Phenicols Residue Detection Kit  
APSN Multi™ Nitrofurans Residue Detection Kit  
APSN Multi™ Penicillins Residue Detection Kit  
APSN Multi™ Quinolones Residue Detection Kit  
APSN Multi™ Sulphonamides Residue Detection Kit  
APSN Multi™ Tetracyclines Residue Detection Kit

### Sampling Materials

APSN Sterile Sampling Media Bottle  
APSN Sterile Buffered Peptone Water  
APSN Sterile Environmental Swab (Large)  
APSN Sterile Environmental Swab (Small)  
APSN Sterile Cotton Swabs

### Ready-to-use Agar Plates

APSN Total Bacteria Count Agar Plate  
APSN Coliform/ E.coli Count Agar Plate  
APSN Mould and Yeast Count Agar Plate  
APSN Pseudomonas Count Agar Plate  
APSN Staphylococcus Count Agar Plate  
APSN Salmonella Count Agar Plate

# BIOSECURITY

Biosecurity - the art of preventing the entry of hazardous contaminants into a farm, production or manufacturing facility is the primal step in Good Production Practice. Hazardous contaminants can be of infectious i.e. bacteria, viruses, fungus and parasites or non-infectious in nature such as chemicals. A planned routine screening at point-of-entries enables producers to use a risk based approach to prevent perceived or actual risks of contamination and enables decision making.

## FEATURES

Validated quality diagnostic test kits to detect harmful pathogens and contamination agents

- Detection of bacterial, viral, fungal, parasitic and other agents
- Detection of antibiotic resistant bacteria
- Detection of zoonotic pathogens
- Safeguarding public health

## PRODUCTS

### Detection of Infectious Veterinary Bacterial Pathogens

#### PCR Technology

APSN Campylobacter PCR Detection Kit  
APSN Multi™ *Mycoplasma Gallisepticum*/  
*Mycoplasma Synoviae* PCR Detection Kit  
APSN Listeria PCR Detection Kit  
APSN Salmonella PCR Detection Kit  
APSN Multi™ Vancomycin Resistant  
Enterococci (VRE) PCR Detection Kit  
APSN Vibrio PCR Detection Kit  
APSN Multi™ Porcine Reproductive and  
Respiratory Syndrome Virus (PRRSV)  
PCR Detection Kit

#### Real-Time PCR Technology

APSN Campylobacter Real-Time PCR  
Detection Kit  
APSN Listeria Real-Time PCR Detection Kit  
APSN Salmonella Real-Time PCR  
Detection Kit  
APSN Vibrio Real-Time PCR Detection Kit

### Detection of Infectious Veterinary Viral Pathogen

#### PCR Technology

APSN Avian Pneumovirus (APV)  
PCR Detection Kit  
APSN Chicken Anaemia Virus (CAV)  
PCR Detection Kit  
APSN Newcastle Disease Virus (NDV)  
PCR Detection Kit  
APSN Infectious Bronchitis Virus (IBV)  
PCR Detection Kit  
APSN Infectious Bursal Disease Virus (IBDV)  
Real-Time PCR Detection Kit  
APSN Infectious Laryngotracheitis (ILT)  
PCR Detection Kit  
APSN Reovirus PCR Detection Kit  
APSN Multi™ Porcine Circovirus  
Type 2/ Parvovirus (PCV1/PCV2/PPV)  
PCR Detection Kit  
APSN Multi™ Porcine Reproductive and  
Respiratory Syndrome Virus (PRRSV)  
PCR Detection Kit

#### Real-Time PCR Technology

APSN Avian Pneumovirus (APV)  
Real-Time PCR Detection Kit  
APSN Chicken Anaemia Virus (CAV)  
Real-Time PCR Detection Kit  
APSN Newcastle Disease Virus (NDV)  
Real-Time PCR Detection Kit  
APSN Infectious Bronchitis Virus (IBV)  
Real-Time PCR Detection Kit  
APSN Infectious Bursal Disease Virus (IBDV)  
PCR Detection Kit  
APSN Infectious Laryngotracheitis (ILT)  
Real-Time PCR Detection Kit  
APSN Reovirus Real-time PCR  
Detection Kit

### Detection of Toxins

#### Liquid Chromatography Tandem Mass Spectrometry (LC/MSMS) Technology

APSN Multi™ Mycotoxins Detection Kit  
for Food Products

APSN Multi™ Mycotoxins Detection Kit  
for Animal Feed

### Other Tests

APSN Rapid Water Quality Assessment  
Test Kit

### Sampling Materials

APSN Sterile Sampling Media Bottle  
APSN Sterile Buffered Peptone Water  
APSN Sterile Environmental Swab (Large)  
APSN Sterile Environmental Swab (Small)  
APSN Sterile Cotton Swabs

### Ready-to-use Agar Plates

APSN Total Bacteria Count Agar Plate  
APSN Coliform/E.coli Count Agar Plate  
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APSN Pseudomonas Count Agar Plate  
APSN Staphylococcus Count Agar Plate  
APSN Salmonella Count Agar Plate