

Swine Disease

PowerChek™ Swine Disease Real-time PCR Kit series are intended for the qualitative detection and discrimination of major pathogenic virus and bacteria in various avian samples.

- One-step Real-time (RT) PCR assay
- High sensitivity & specificity
- Includes all necessary reagents
- Time to Result : about 2.5 hrs
- Easy to use
- Compatibility : Flexible open system



Ordering information

| Category | Cat No. | Product | Analyte | Size | PowerAmp96™ | ABI7500 series | BioRad CFX96 | BioRad iCycler iQ5 | Ogden RotiGeneQ | Roche LightCycler 480 | Roche LightCycler 96 | Agilent Mx3005P |
|----------|---------|---|--|------|-------------|----------------|--------------|--------------------|-----------------|-----------------------|----------------------|-----------------|
| | R0858 | PowerChek™ Swine Disease Panel Kit | ASFV / PRRSV / CSFV / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0857 | PowerChek™ ASFV Real-time PCR Kit Ver.1.0 | African Swine Fever Virus / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0846T | PowerChek™ PDCoV Real-time PCR Kit | Porcine Deltacoronavirus / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0803E | PowerChek™ PEDV Real-time PCR Kit | Porcine epidemic diarrhea virus / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0804E | PowerChek™ CSFV Real-time PCR Kit | Classical swine fever virus / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0837E | PowerChek™ Porcine Rotavirus Real-time PCR Kit | Porcine Rotavirus / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0816E | PowerChek™ PRRSV Real-time PCR Kit (EU/NA) | PRRSV NA type / EU type / IC | 50 | ● | ● | ● | ● | ● | ● | ★ | ● |
| | R0821E | PowerChek™ PRRSV / PCV2 Real-time PCR Kit | PRRSV / PCV2 / IC | 50 | ● | ● | ● | ★ | ● | ● | ★ | ● |
| Porcine | R0833E | PowerChek™ EMCV / JEV Real-time PCR Kit | Encephalomyocarditis virus Japanese encephalitis virus IC | 50 | ● | ● | ● | ● | ● | ● | ★ | ● |
| | R0836E | PowerChek™ PEDV / TGEV Real-time PCR Kit | Porcine epidemic diarrhea virus Transmissible gastroenteritis virus IC | 50 | ● | ● | ● | ● | ● | ● | ★ | ● |
| | R0809E | PowerChek™ PCV2 Real-time PCR Kit | Porcine circovirus type 2 / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0826E | PowerChek™ Mycoplasma hyopneumoniae Real-time PCR Kit | Mycoplasma hyopneumoniae / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0829E | PowerChek™ Brachyspira hyodysenteriae Real-time PCR Kit | Brachyspira hyodysenteriae / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0830E | PowerChek™ Lawsonia intracellularis Real-time PCR Kit | Lawsonia intracellularis / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0831E | PowerChek™ Brachyspira pilosicoli Real-time PCR Kit | Brachyspira pilosicoli / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0832E | PowerChek™ ADV / PPV Real-time PCR Kit | Aujeszky's disease virus Porcine parvovirus IC | 50 | ● | ● | ● | ● | ● | ● | ★ | ● |

| Cat No. | Nucleic Acid Extraction | Size | Applications |
|---------|---|------|---|
| E0007 | PowerPrep™ Viral DNA/RNA Extraction Kit | 50 | Cell, tissue, culture, swab Virus-infected samples |
| E0008 | PowerPrep™ DNA Extraction from Tissue Kit | 100 | Tissue, swab, cell etc. |

| Cat No. | Real-time PCR System | Capacity | Specifications |
|---------|----------------------|----------|---|
| KQ0001 | PowerAmp96™ | 96 wells | 6 Fluorescence detection channels 10.4" full color touch screen Accurate and rapid temperature control Maximum heating rate : 6.1 °C/sec Easy to use software |

Features

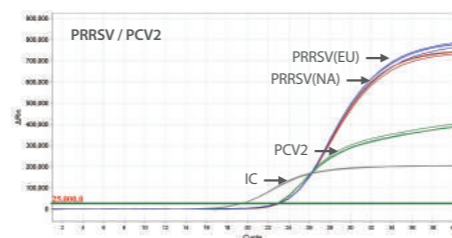
- One-step Real-time PCR assay
- High sensitivity & specificity
- Includes all necessary reagents
- Compatibility : Flexible open system

Kit components

Component parts

- 2X Real-time PCR Master Mix
- Primer/Probe Mix
- 25X RT Enzyme Mix
- Control

Results



PowerChek™ Animal Health Diagnostics Real-time PCR Kit series

Animal Health Diagnostics by Real-time PCR



- Poultry Disease
- Ruminant Disease
- Bovine Disease
- Mammalian Disease
- Swine Disease

Poultry Disease

Avian Influenza · Chicken · Duck

PowerChek™ Poultry Disease Real-time PCR Kit series is intended for the qualitative detection and discrimination of major pathogenic virus and bacteria in various samples.

- One-step Real-time (RT) PCR assay
- High sensitivity & specificity
- Includes all necessary reagents
- Time to Result : about 2.5 hr
- Easy to use
- Compatibility : Flexible open system



Ordering information

| Category | Cat No. | Product | Analyte | Size | PowerAmp96™ | ABI7500 series | BioRad CFX96 | BioRad iCycler IQ5 | Qiagen RotorGeneQ | Roche LightCycler 480 | Roche LightCycler 96 | Agilent Mx3005P |
|-----------------|---------|---|--|------|-------------|----------------|--------------|--------------------|-------------------|-----------------------|----------------------|-----------------|
| Avian Influenza | R2500E | PowerChek™ Avian Influenza Triplex Real-time PCR Kit | AI H5N1 / H7N7 / H9N2 / IC | 100 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R3000E | PowerChek™ AI H5N1 Real-time PCR Kit | Avian Influenza H5N1 / IC | 100 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R3100E | PowerChek™ AI H7N7 Real-time PCR Kit | Avian Influenza H7N7 / IC | 100 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R3200E | PowerChek™ AI H9N2 Real-time PCR Kit | Avian Influenza H9N2 / IC | 100 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R3101 | PowerChek™ AI M Real-time PCR Kit | Avian Influenza M / IC | 100 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R3102 | PowerChek™ AI H5 Real-time PCR Kit | Avian Influenza H5 / IC | 100 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R3103 | PowerChek™ AI H7 Real-time PCR Kit | Avian Influenza H7 / IC | 100 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0847T | PowerChek™ ILTV Real-time PCR Kit | Infectious Laryngotracheitis / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0848E | PowerChek™ AEV Real-time PCR Kit | Avian encephalomyelitis / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0840E | PowerChek™ Newcastle Disease Virus Real-time PCR Kit | NDV / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| Chicken | R0812E | PowerChek™ Mycoplasma gallisepticum / Mycoplasma synoviae Real-time PCR Kit | MG / MS / IC | 50 | ● | ● | ● | ● | ● | ● | ★ | ● |
| | R0818E | PowerChek™ Salmonella gallinarum / Salmonella pullorum Real-time PCR Kit | SG / SP / IC | 50 | ● | ● | ● | ● | ● | ● | ★ | ● |
| | R0825E | PowerChek™ Riemerella anatipestifer Real-time PCR Kit | Riemerella anatipestifer / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0819E | PowerChek™ Fowl Adeno / CAV / MD Real-time PCR Kit | <ul style="list-style-type: none"> ▪ Fowl Adenovirus ▪ Chicken anemia virus ▪ Marek's disease virus ▪ IC | 50 | ● | ● | ● | ● | ● | ● | ★ | ● |
| | R0811E | PowerChek™ IBV Real-time PCR Kit | Avian infectious bronchitis virus / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| Duck | R0823E | PowerChek™ IBDV Real-time PCR Kit | Avian infectious bursal disease virus / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0824E | PowerChek™ IBV / IBDV Real-time PCR Kit | IBV / IBDV / IC | 50 | ● | ● | ● | ● | ● | ● | ★ | ● |
| | R0834E | PowerChek™ Duck Viral Enteritis Real-time PCR Kit | Duck Viral Enteritis / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0899E | PowerChek™ DHAV Real-time PCR Kit | Duck Hepatitis A Virus / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |

| Cat No. | Nucleic Acid Extraction | Size | Applications |
|---------|---|------|---|
| E0007 | PowerPrep™ Viral DNA/RNA Extraction Kit | 50 | <ul style="list-style-type: none"> ▪ Cell, tissue, culture, swab ▪ Virus-infected samples |
| E0008 | PowerPrep™ DNA Extraction from Tissue Kit | 100 | Tissue, swab, cell etc. |

| Cat No. | Real-time PCR System | Capacity | Specifications |
|---------|----------------------|----------|---|
| KQ0001 | PowerAmp96™ | 96 wells | <ul style="list-style-type: none"> ▪ 6 Fluorescence detection channels ▪ 10.4" full color touch screen ▪ Accurate and rapid temperature control ▪ Maximum heating rate : 6.1 °C/sec ▪ Easy to use software |

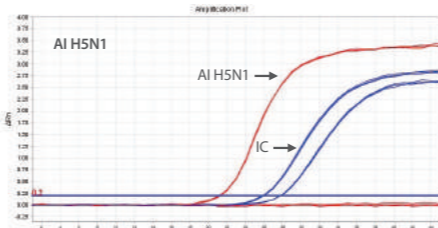
Work flows



Kit components

| Component parts |
|-----------------------------|
| 2X Real-time PCR Master Mix |
| Primer/Probe Mix |
| 25X RT Enzyme Mix |
| Control |

Results

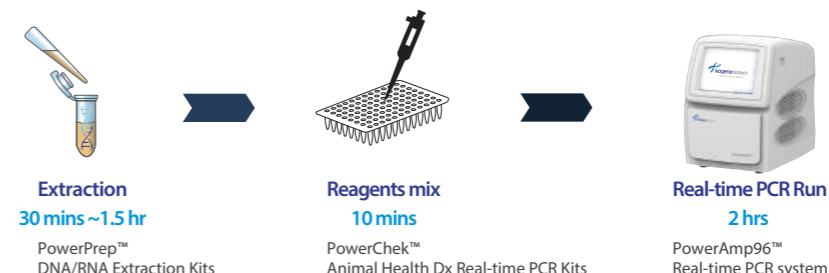


Livestock Disease

Bovine · Ruminant · Others

PowerChek™ Livestock Disease Real-time PCR Kit series is intended for the qualitative detection and discrimination of major pathogenic virus and bacteria in various samples.

Work Flow



Ordering information

| Category | Cat No. | Product | Analyte | Size | PowerAmp96™ | ABI7500 series | BioRad CFX96 | BioRad iCycler IQ5 | Qiagen RotorGeneQ | Roche LightCycler 480 | Roche LightCycler 96 | Agilent Mx3005P |
|----------|-------------------------------------|---|---------------------------------------|------|-------------|----------------|--------------|--------------------|-------------------|-----------------------|----------------------|-----------------|
| Bovine | R0839T | PowerChek™ FMDV Multiplex Real-time PCR Kit | 3D / IRES / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0841T | PowerChek™ Bovine Leukemia Virus Real-time PCR Kit | Bovine leukemia virus / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0801E | PowerChek™ Brucella Real-time PCR Kit | Brucella / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0807E | PowerChek™ BVDV Real-time PCR Kit | Bovine viral diarrhea virus / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0808E | PowerChek™ BCV Real-time PCR Kit | Bovine circovirus / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0810E | PowerChek™ BRV Real-time PCR Kit | Bovine rotavirus / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0815E | PowerChek™ Bovine Disease Virus Triplex Real-time PCR Kit | BVDV / BCV / BRV / IC | 50 | ● | ● | ● | ● | ● | ● | ★ | ● |
| | R0813E | PowerChek™ Bovine Tuberculosis Real-time PCR Kit | IS1081 / IS6110 / IC | 50 | ● | ● | ● | ● | ● | ● | ★ | ● |
| | R0814E | PowerChek™ Mycoplasma bovis Real-time PCR Kit | Mycoplasma bovis / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0817E | PowerChek™ FMD Real-time PCR Kit | Foot and mouth disease / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| Ruminant | R0827E | PowerChek™ Clostridium chauvoei Real-time PCR Kit | Clostridium chauvoei / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0835E | PowerChek™ PPRV Real-time PCR Kit | Peste des petits ruminants virus / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0838E | PowerChek™ Mycobacterium Paratuberculosis Real-time PCR Kit | Mycobacterium Paratuberculosis / IC | 50 | ● | ● | ● | ● | ● | ● | ★ | ● |
| Others | R0895E | PowerChek™ Canine distemper Real-time PCR Kit | Canine distemper / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0851 | PowerChek™ WSSV Real-time PCR Kit | White spot syndrome virus / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| | R0828E | PowerChek™ Equine Herpesvirus type 1 & 4 Real-time PCR Kit | EHV type 1 / type 4 / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● |
| R0820E | PowerChek™ Rabies Real-time PCR Kit | Rabies Virus / IC | 50 | ● | ● | ● | ● | ● | ● | ● | ● | |

| Cat No. | Nucleic Acid Extraction | Size | Applications |
|---------|---|------|---|
| E0007 | PowerPrep™ Viral DNA/RNA Extraction Kit | 50 | <ul style="list-style-type: none"> ▪ Cell, tissue, culture, swab ▪ Virus-infected samples |
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| Cat No. | Real-time PCR System | Capacity | Specifications |
|---------|----------------------|----------|---|
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Kit components

| Component parts |
|-----------------------------|
| 2X Real-time PCR Master Mix |
| Primer/Probe Mix |
| 25X RT Enzyme Mix |
| Control |

Features

- One-step Real-time PCR assay
- High sensitivity & specificity
- Includes all necessary reagents
- Compatibility : Flexible open system

Results

