

## New PCR screening packages at low all-inclusive prices

### 1. PCR screening for intestinal diseases in suckling piglets and fattening pigs



Diarrheal diseases can lead to losses in pig production and fattening.

Depending on the age group, certain pathogens are particularly frequently involved in diarrhea.

In **suckling piglets**, *Escherichia coli* (*E. coli*) and *Clostridium perfringens* (*C. perfringens*) are frequently detected in diarrhea problems, as are Rota and Coronaviruses.

Occasionally, parasites such as *Cystoisospora suis* may also cause problems.

With increasing age of the animals, the germ spectrum shifts and while the pathogen *E. coli* is more likely to cause illness **in rearing and fattening pigs** as EPEC (enteropathogenic *E. coli*) or EDEC / STEC (edema disease), enteric infections with *Salmonella*, *Brachyspira* (dysentery) and *Lawsonia* (ileitis) are becoming increasingly important. Among the viral pathogens, rotaviruses are losing importance while coronaviruses (PEDV) can cause disease in all age groups.

Due to the demand for direct detection of bacterial pathogens from feces by PCR, we have adapted our typing PCRs for *E. coli* "**virulence factors**" and *C. perfringens* for direct detection from the native sample, feces as well as from small or large intestine material.

In the PCR- Screening "**Neonatal Diarrhoe**" we offer the following PCRs at a favorable package price:

- *E. coli* incl. typing "virulence factors"
- *C. perfringens* with determination of type A and C
- *Cystoisospora suis*
- Rotavirus A/C
- PEDV/ TGEV

For older animals we have compiled the **PCR- Screening "Finisher"**:

- *E. coli* incl. typing "virulence factors"
- *Brachyspira hyodysenteriae*
- *Lawsonia intracellularis*
- *Salmonella*

In the **PCR Screening "Finisher plus"** Rotavirus A/C and TGEV/PEDV are additionally examined.

Please note, however, that these tests are not preceded by a cultural bacteriological examination, so that resistance tests or the preservation of isolates for a possible subsequent vaccine production are not possible without further cultural examination.

## 2. PCR testing for respiratory diseases

For years, we have been offering proven screening packages for respiratory diseases.

These packages combine the individual PCR examinations of typical respiratory pathogens in pigs into inexpensive examination packages.



- **PCR Screening „Respiration“:**
  - *Actinobacillus pleuropneumoniae (App)*,
  - *Mesomycoplasma hyopneumoniae (M. hyopneu.)*,
  - Influenza A Virus (IAV) and
  - PRRSV
- **PCR Screening „Bakum“:**
  - *M. hyopneu*
  - Influenza A Virus
  - PCV2/3
  - PRRSV
- **PCR Screening „Dessau“:**
  - App
  - *M. hyopneu*
  - PCV2/3
  - PRRSV

Since the examination request for all 5 pathogens requiring differential diagnosis is regularly selected, we have now compiled a PCR screening in which all 5 PCR detections of respiratory pathogens are bundled:

- **PCR-Screening „Respiration plus“**
  - App
  - *M. hyopneu*
  - Influenza A Virus
  - PRRSV
  - PCV2/3

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