

## The SPF System

SPF (**S**pecific **P**athogen **F**ree) is a closed production and health system for pigs with established rules of infection control, health control, and transport of pigs between herds.

All farms that comply with the rules of the SPF Health Status Department (SPF-SuS) gain a SPF status and a health declaration.

The three main points of any farm health status are:

1. Safety level
2. Health declarations and
3. Additional information on health status



## Health Status

### 1. Safety Level

The SPF herds are organised into three overall safety levels: Red, blue and green.

**Red:** Breeding and multiplier herds which sell breeding stock. Health control is carried out once per month.

**Blue:** Units which typically produce weaners for sale and/or finishers. Health control is carried out at least every 15<sup>th</sup> week.

**Green:** Herds aspiring to blue status.

### 2. Health Declarations

**a)** SPF diseases declared on the basis of the SPF health control:

- **Myc:** Mycoplasma hyopneumonia, (Enzootic Pneumonia)
- **Ap:** Actinobacillus pleuropneumoniae (Pleuropneumonia) serotypes: **1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12**
- **Nys:** Atrophic rhinitis
- **Dys:** Swine dysentery
- **PRRS:** Porcine Reproductive and Respiratory Syndrome  
DK virus (European strain)  
Vaccine virus (American strain)
- **Skab:** Mange
- **Lus:** Lice

**b)** Diseases declared on the basis of rules laid down by Danish Meat Association and Danish Pig Production.

- **Sal:** Types of Salmonella
- **Oedema:** Types of E.coli
- **Yersinia:** Yersinia enterocolitica, type O9



### SPF-Herd

Sign at the entrance showing the status of the herd.

SPF-DANMARK - Microsoft Internet Explorer

Adresse: [http://www.spf.dk/sus\\_salm/](http://www.spf.dk/sus_salm/)

SPF-Systemet | Smittebeskyttelse | Sundhedskontrol | Sundhedsstatus | Transport

Søg på CHRnr.  
Adgang til detailoplysninger  
Login

**Sundhedsoplysninger for CHR-nr.: 099999** [Print sundhedsstatus](#)

CHRnr.: 099999  
Ejer: S. P. Frederiksen  
Gårdnavn: SUNDGÅRDEN  
Besætningsadresse: Drejervej 7  
6600 Vejen

**Sundhedsstatus:** Rød SPF

**Betinget status:**

**Supplerende statusoplysning:**

**Salmonellaoplysninger:**

**Salmonella-indeks:\*\*** Aktuelt salmonellaindeks er over 4,9

Dato	Salmonellaindeks
27.10.04	17,1
01.10.04	6,6
30.08.04	6,0
22.07.04	13,8
15.06.04	10,9
05.05.04	2,5

**Salmonella-niveau:\*\***

Dato	Salmonellaniveau
14.04.04	1

**Gødningsprøveresultater:\*\*** Salmonella Typhimurium påvist 31.08.04

\* Oplyses kun for DanAvl -avl- og opformeringsbesætninger, jf. overførsel af data fra Landsudvalget for Svin.  
\*\* Disse oplysninger videregives fra Fødevarerdirektoratet og SPF-SuS kan ikke gøres ansvarlig for, om oplysningerne er korrekte. Henvendelse vedr. oplysningerne kan rettes til: Danske Slagterier, Zoonoseafdelingen, Tlf. 33 73 26 66.

**BETINGET STATUS**

Til forsiden | Kontakt os | Skærminstillinger | Siden er lukket kl. 24.00 - 06.00 © 2003 SPF-DANMARK

### 3. Additional Status Information

This is information for potential buyers about special health and sales conditions which do not directly influence the health status of the herd. Additional status information may include:

- **Salmonella index:** The current monthly index of a breeding and multiplier herd
- **Salmonella level:** The current salmonella level in meat juice samples
- **Manure samples:** Salmonella results of the last 6 months
- **Oedema disease:** Red and blue level farms are obligated to inform of oedema disease up to 12 months after the symptoms have disappeared.
- **Blue – blue:** Blue level herds which have received pigs from other blue level farms.
- **Owner transport:** Transport of live pigs in a truck approved by the SPF Health Status Department (SPF-SuS)
- **Outdoor:** Outdoor herds are recorded.



#### Example of a SPF Health Declaration:

#### Blå SPF +Ap12+PRRS DK

You can see the current health status for any SPF Pig herd on [www.spfsus.dk](http://www.spfsus.dk)

### Conditional Status

When a herd gets the declaration of conditional status, the sales contacts during the last 6 weeks are investigated. These herds will get a conditional status, too, because they might be infected or they might be the cause of the infection. If pigs are bought from a herd with a conditional status, the buying herd will get a derived, conditional status, too.

The conditional status will be determined by the veterinarian, typically by means of blood tests. In this way it is determined if the herd might be free of the disease, or if it was infected.

## The 12-Hours-Rule

Germs, causing pig diseases, might enter the pig house via boots, clothes, skin, hair, and mucous membranes of staff and visitors.

Therefore, it is important for staff and visitors to change clothes and footwear as well as to wash hands in the entrance room.

SPF-SuS has laid down the rules for the period from visiting one farm to the next one to be a minimum of 12 hours.

**Foreign visitors are not allowed to visit a Danish pig farm until 48 hours after their arrival in Denmark.**

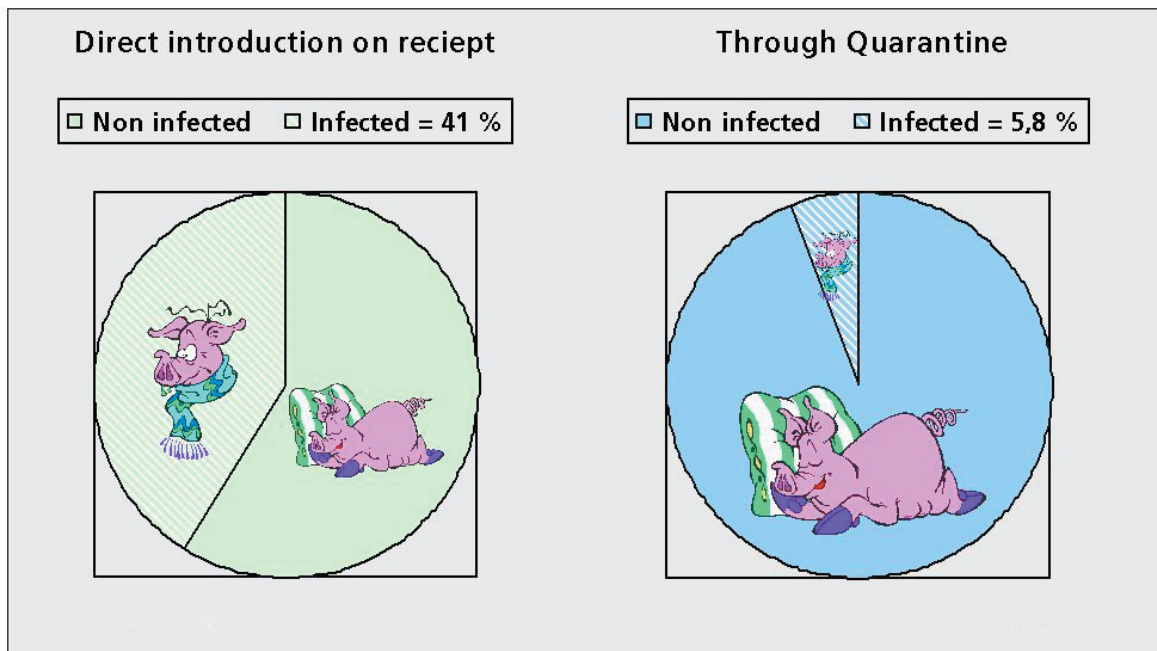
Most conventional farms comply with the SPF rules, but other than that they do not observe any specific codes of practice.



## Quarantine Facilities

When breeding stocks are purchased, quarantine facilities reduce the risk of infection 7 times compared to putting the animals directly into the herd.

### The Efficiency of Quarantine Facilities



In order to be sure that the quarantine facilities are empty before the next breeding stock has to get in, you must avoid too tight delivery terms.

When you have a SPF-herd that is Myc.-positive, your delivery contracts should be of 8 weeks at least. Accordingly the delivery interval should not be less than 10 weeks when you have a SPF-herd that is free of Myc.

## Approved SPF-Transporters

Transport of SPF-pigs must be carried out according to exactly defined rules. Therefore only approved SPF-Transporters are allowed to transport the pigs in specially constructed trucks.

These trucks are easy to clean, infection-secured and with a crew that was specially qualified for handling and transporting SPF-pigs.

You can find the approved SPF-Transporters at [www.spfsus.dk](http://www.spfsus.dk)



## Delivery Facilities

Pigs that are meant to be sold or to be slaughtered are stalled in delivery facilities. This is most practically for moving and fetching the animals.

Delivery might take place from a building, pen, truck, container or the like and preferably at a distance of at least 100 m from the stable.



**Delivery facilities**  
*Effective delivery facilities prevent germs from being transmitted to the SPF herd.*

**SPF-Sundhedsstyringen**

Drejervej 7 · DK-6600 Vejen · Teleph. +45 76 96 46 00 · Fax +45 76 96 47 06  
[www.spfsus.dk](http://www.spfsus.dk)

