



## KYLT® PRRSV NA/EU

IMPROVING SWINE HEALTH MANAGEMENT WITH AN EASY-TO-USE & RELIABLE REAL-TIME PCR DETECTION KIT

### A PRIMARY THREAT TO ANIMAL HEALTH

*Porcine reproductive and respiratory syndrome virus (PRRSV)* is one of the most economically important swine diseases worldwide. The PRRS virus (PRRSV) belongs to the Arteriviridae family and exists in two main genotypes:

- European (EU, PRRSV-1)
- North American (NA, PRRSV-2)

### DISEASE PATTERN & EFFECTS

PRRS causes considerable economic losses due to:

- Reproductive disorders:
  - Abortions, stillbirths, weak piglets
- Respiratory diseases:
  - Especially in piglets and fattening pigs, often with secondary infections
- Immunosuppression:
  - Increased susceptibility to other pathogens

Therefore, a reliable PCR test is crucial for monitoring, controlling and combating PRRSV in livestock.

### KYLT® PRRSV NA/EU

enables a precise, sensitive and simultaneous detection of PRRSV-1 (European strains) and PRRSV-2 (North American strains) in one reaction. A differentiation between both genotypes is possible due to different fluorescence channels used in the PCR Kit. The **KYLT®** PCR Kit offers:

BROAD SAMPLE COMPATIBILITY

EXOGENOUS INTERNAL CONTROL

HIGH SENSITIVITY & SPECIFICITY

UNIFIED PCR SETUP & CYCLER PROFILE

COMPATIBILITY WITH ALMOST ALL THERMAL CYCLERS

## ORDERING INFORMATION

| Product Name      | Method  | Article No.<br>100 reactions | Article No.<br>25 reactions |
|-------------------|---------|------------------------------|-----------------------------|
| Kylt® PRRSV NA/EU | RT-qPCR | 31203                        | 31204                       |

### BENEFITS OF USING KYLT® PRRSV NA/EU AND OTHER KYLT® PRODUCTS:

- Reduced lab costs
- Reduced risk of errors
- Higher lab productivity
- Operational time savings
- Simplified hands-on lab work
- Convenience of integrated solutions
- High level support – from expert to expert

### HIGH-QUALITY TESTED AND CERTIFIED, EASY-TO-USE PRODUCTS

**KYLT®** products are easy-to-use and compatible with almost every Real-Time PCR thermal cycler available on the market. **KYLT®** products are developed, validated, and manufactured in Germany, under rigorous protocols, and are put through tests in our daily high-throughput diagnostic routine laboratory, with samples from all over the world. High-quality **KYLT®** processes and products are certified by ISO 9001:2015. Furthermore, selected kits are MicroVal® certified, approved by the Friedrich-Loeffler-Institute (FLI) or registered in several countries.

### KYLT® PURIFICATION PRODUCTS, SYSTEM AND CONSUMABLES

| Product Name             | Description  | Article No. |
|--------------------------|--|-------------|
| RNA/DNA Purification     | Combined RNA and DNA purification from veterinary samples (spin-column based).   | 31315       |
| Purifier                 | Purification system for magnetic bead based kits. Up to 96 samples are processed in under 30 minutes. Intended for high-throughput laboratories.                           | 31436       |
| Purifier 48              | Purification system for magnetic bead based kits. Up to 48 samples are processed in under 30 minutes. Intended for low to medium throughput laboratories.                  | 31748       |
| RNA/DNA Purification HTP | Magnetic bead based combined RNA and DNA purification kit for veterinary diagnostic samples. Suitable for Kylt® Purifier (48).   | 31575       |
| Purifier Spin Tips       | Plate with 96 separate spin tips, used by the Kylt® Purifier to mix the well contents by stirring. Sufficient for 480 samples.   | 31434       |
| Purifier Plates          | Plates to be used for the several reactions and reagents during automated nucleic acid purification. Sufficient for 320 to 480 samples (depending on device and protocol). | 31435       |

## KYLT® STANDS FOR ...

### HIGH QUALITY

Development and manufacturing in Germany are ISO 9001 certified

### RELIABILITY

Highly satisfactory and reliable high-throughput routine diagnostic

### ACCURACY

Sensitive and precise detection of pathogens

For further information, please visit [www.kylt.eu](http://www.kylt.eu) or contact us a by email: [kylt-de@san-group.com](mailto:kylt-de@san-group.com)

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