KYLT®

A BROAD PORTFOLIO FOR *SALMONELLA* MONITORING

FROM FARM TO FORK

FOOD SAFETY, FROM FARM TO FORK

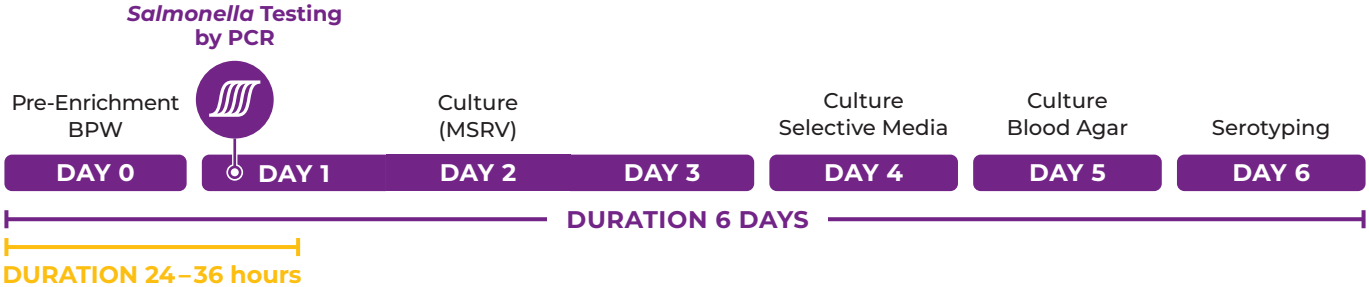
Ensuring food safety is a public health priority since unsafe food can threaten human health and life due to foodborne illnesses and mean economic losses for producers and food processing industries. It is necessary to apply risk-based food safety management along the food chain, including primary production and processing, because food safety and quality can only be assured by frequent monitoring and reliable testing.

SALMONELLA, A PRIMARY THREAT TO ANIMAL AND HUMAN HEALTH

Salmonella are counted among the most significant infectious pathogens related to both human and livestock health. *Salmonella* infections account for 25 % of reported cases of diarrhea worldwide and cause more than € 10 billion in economic losses for farmers, food producers, and health systems. Thus, carrying out comprehensive *Salmonella* monitoring is a must.

THE REAL-TIME PCR ADVANTAGE

As the conventional cultural methods are significantly more labor-intensive and time-consuming than Real-Time PCR, the latter provides an advantageous alternative for the detection and differentiation of *Salmonella*. This allows the exclusion of negative samples at an early point in time. Positive samples can be further analyzed and verified by serotyping and/or PCR.



PASSION FOR INNOVATION

A BROAD RANGE OF PRODUCTS FOR *SALMONELLA* MONITORING

A broad range of Kylt® products is available to support *Salmonella* detection by Real-Time PCR with high quality, reliability, and accuracy for an efficient and economical operation, with different sample matrices. The Kylt® portfolio comprises kits of highly sensitive products for the detection of different *Salmonella* that affect relevant livestock, such as poultry, swine, and ruminants, as well as food samples, including raw materials, processed food, and hygienic environmental samples.

DISCOVER OUR TOOLS FOR DETECTION AND CHARACTERIZATION OF *SALMONELLA*

Product Name	Tested Parameter Description	Reactions 100	Reactions 25	Poultry	Swine	Ruminants	Feed & Food
Salm spp 2.0 no ExM MICROVAL nen	**Salmonella spp.** Species-specific detection Validated according to ISO 16140	31302	–	×	×	×	×
S. Choleraesuis	**Salmonella Choleraesuis** Serovar-specific detection	31525	31526		×		×
SE	**Salmonella Enteritidis** Serovar-specific detection	31205	31206	×			×
SE/ST Triplex	**Salmonella Enteritidis & Typhimurium** Separate and serovar-specific detection	31165	31166	×			×
ST	**Salmonella Typhimurium** Serovar-specific detection	31207	31208	×		×	×
S. Hadar	**Salmonella Hadar** Serovar-specific detection	31547	31548	×			×
S. Infantis	**Salmonella Infantis** Serovar-specific detection	31521	31522	×			×
S. Paratyphi B	**Salmonella Paratyphi B** Serovar-specific detection	31519	31520	×			×
S. virchow	**Salmonella Virchow** Serovar-specific detection	31523	31524	×			×
SE DIVA 1	**Salmonella Enteritidis and vaccine strain 441/041 (ade-/ his-)** strains used in live vaccines e.g. by BI and CEVA	31159	31160	×			
SE DIVA 2	**Salmonella Enteritidis and vaccine strains Sm24/Rif12/Ssq and CAL 10 Sm+/Rif+/Ssq-** Strains used in live vaccines e.g. by ELANCO and CALIER	31161	31162	×			
ST DIVA	**Salmonella Typhimurium and vaccine strain ST mutant (Histidine-Adenine-auxotroph)** Strain used in live vaccines e.g. by CEVA	31855	31856	×	×	×	
SGP & 9R DIVA	**Salmonella Gallinarum, Pullorum and vaccine strain 9R** Separate and serovar-/biovar-specific detection (Conventional PCR Kit)	31420	31421	×			

For further information, please visit **www.kylt.eu** or contact us a by email: **kylt-de@san-group.com**

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