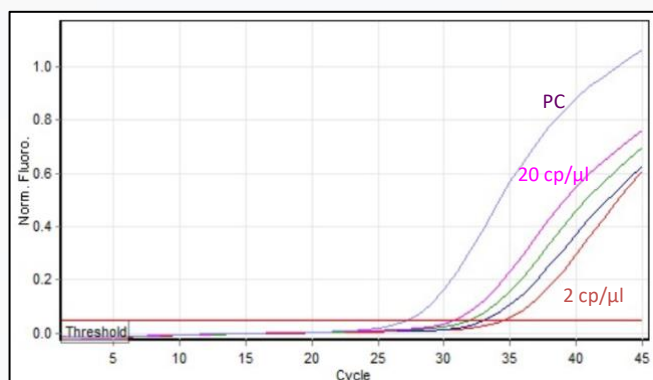


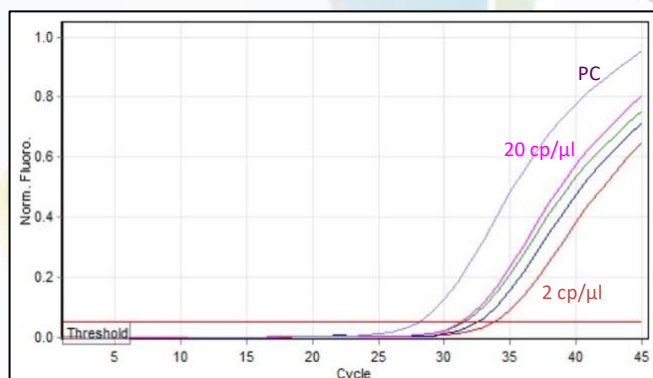
# LyteStar™ Rickettsial Diseases Kit

Multiplex detection of *Pan-Orientia*  
and *Pan-Rickettsia*

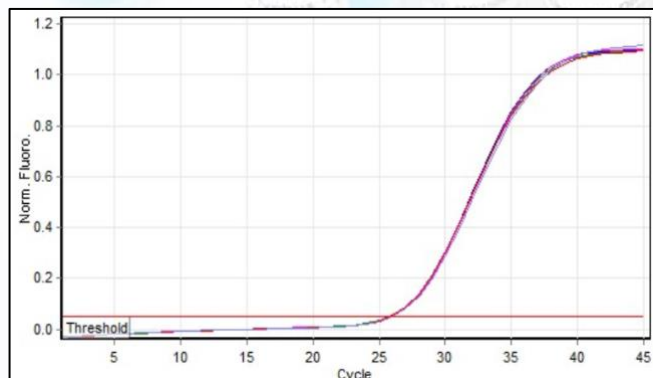
The LyteStar™ Rickettsial Diseases Kit is a multiplex kit for simultaneous and specific detection of pan-*Orientia* (*rrs* gene) and pan-*Rickettsia* (*gltA* gene) bacteria.



Pan-*Orientia* - 20, 10, 6.3, 2 copies/μl, Positive Control



Pan-*Rickettsia* - 20, 10, 6.3, 2 copies/μl, Positive Control

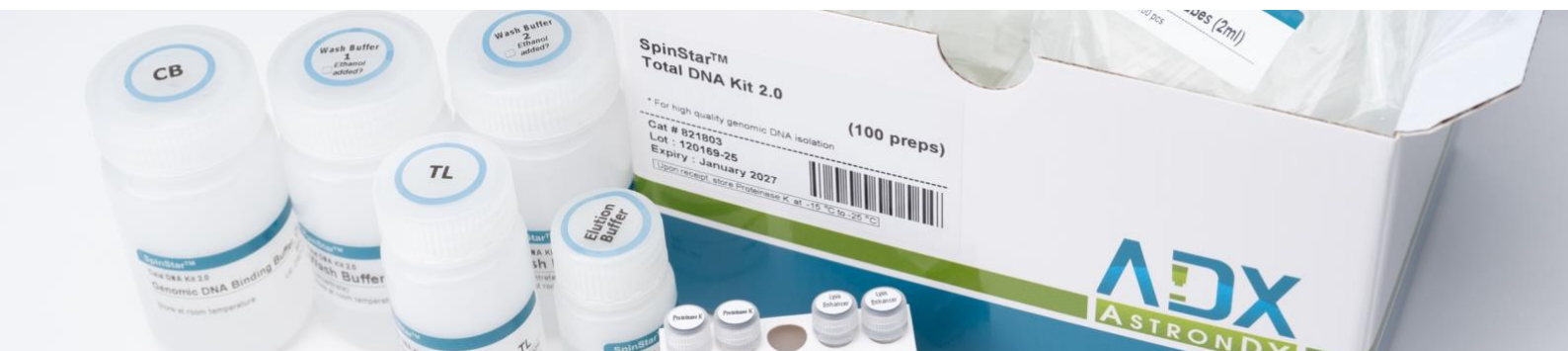


Internal Control - 20, 10, 6.3, 2 copies/μl, Positive Control



## Specifications and Features

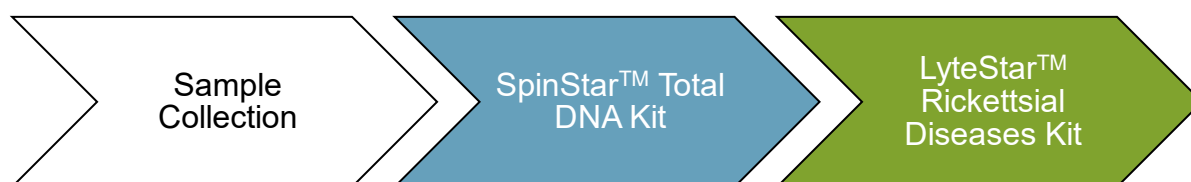
- **Multiplex kit** for Detection and Differentiation:
  - Pan-*Orientia* specific; *rrs*-gene
  - Pan-*Rickettsia* specific; *gltA*-gene
  - Internal Control (IC); heterologous DNA
- **Highest Analytical Sensitivity**
  - 2.23 cp/μl for Pan-*Orientia* *rrs*-gene
  - 5.56 cp/μl for Pan-*Rickettsia* *gltA*-gene
- **100% Analytical Specificity**; no cross reactivity with other pathogens
- Optimised for use on real-time PCR systems: Rotor-Gene Q (Qiagen), CFX Opus 96 (BioRad), CFX96 (BioRad), Mic (BioMolecular Systems), and abCycler (AIT Biotech)



## Recommended Sample Preparation

### SpinStar™ Total DNA Kit

The SpinStar™ Total DNA Kit is designed for the simultaneous purification of viral DNA from fresh or frozen human blood, plasma and serum, respiratory specimen in VTM, sputum, stool, cultured cells and tissues. The extracted DNA is ready to use for any downstream application where highly purified nucleic acids are required.



## Order Information

Product	Content	Σ	Cat. No.
LyteStar™ Rickettsial Diseases PCR Kit 1.0	Master A, Master B, Positive Control (PC), Internal Control (IC), PCR-grade Water	96	887103
SpinStar™ Total DNA Acid Extraction Kit	SpinStar™ Columns, Collection Tubes, Tissue Lysis Buffer, Lysis Enhancer, Genomic DNA Binding Buffer, Wash Buffer 1, Wash Buffer 2, Proteinase K, Elution Buffer	100	821803

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