

Optimized DNA extraction from milk

| Product | Short description | Cat. no. (number of reactions) | | |
|---|---|--------------------------------|---------------|----------------|
| | | S | M | L |
| IndiSpin Mastitis Kit (Formerly: DNeasy Mastitis Mini Kit) | For manual extraction of bacterial DNA from milk based on spin column technology | | SP69805 (192) | |
| IndiMag Mastitis Kit (Formerly: MagAttract Mastitis Kit) | For automated extraction of bacterial DNA from milk based on magnetic bead technology | | | SP947757 (384) |
| IndiMag 48s | Versatile instrument for automated magnetic bead-based extraction of nucleic acids | | IN943048s | |

Rapid and safe identification of Mastitis pathogens

| Product | Short description | Cat. no. (number of PCR reactions) | | |
|--------------------------------------|---|------------------------------------|---------------|---|
| | | S | M | L |
| bactotype Mastitis Screening PCR Kit | Ready-to-use qPCR assay for detection of DNA from <i>S. agalactiae</i> / <i>Mycoplasma bovis</i> , <i>S. aureus</i> and <i>S. uberis</i> / <i>S. dysgalactiae</i> | | BT280005 (96) | |
| bactotype Mastitis HP3 PCR Kit | Ready-to-use qPCR assay for identification of DNA from <i>S. aureus</i> , <i>S. agalactiae</i> and <i>Mycoplasma bovis</i> | | BT280045 (96) | |
| bactotype Mastitis HP2+ PCR Kit | Ready-to-use qPCR assay for detection of DNA from <i>S. agalactiae</i> , <i>Mycoplasma bovis</i> and pathogenic <i>Mycoplasma</i> | | BT280025 (96) | |
| bactotype Mastitis Env PCR Kit | Ready-to-use qPCR assay for identification of the most important environmental Mastitis causing pathogens <i>E. coli</i> , <i>Klebsiella</i> , <i>S. dysgalactiae</i> , <i>S. uberis</i> and <i>T. pyogenes</i> | | BT280035 (96) | |

Data analysis made easy

| Product | Short description | Cat. no. |
|-----------------------------|---|----------|
| bactotype Mastitis Software | For calculation and analysis of results using bactotype Mastitis PCR Kits | SW280001 |

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Because milk matters

bactotype Mastitis Test System for rapid, flexible and meaningful Mastitis monitoring and control

Improving diagnostics for rapid, flexible and meaningful Bovine Mastitis monitoring and control

Bovine Mastitis is the single most common and most costly disease of dairy cows. Reliably identifying pathogens that cause Bovine Mastitis is the cornerstone of targeted therapy strategies. For a fast turnaround and safe identification of Mastitis-causing pathogens, INDICAL has developed the bactotype Mastitis Test System.

From sample extraction to results, INDICAL's modular bactotype Mastitis Test System enables efficient and meaningful dairy herd surveillance/monitoring for Bovine Mastitis from individual, quarter milk and bulk tank samples (pools of up to 50).

Features and advantages

- **Highly sensitive, fast and easy to perform**
- **2.5 to 3 hours runtime** from DNA extraction to results
- **Identifies difficult to grow bacteria**, like *Mycoplasma*
- **Optimized sample prep kits** for manual AND automated extraction of bacterial DNA from milk samples without compromising on quality
- **Four assays – one protocol**: combine and run up to four ready-to-use multiplex qPCR kits for targeted identification of Mastitis-causing pathogens
- **Advanced Internal PCR Control** for monitoring correct DNA extraction and amplification; **can also be used as indicator of somatic cell count** in milk samples
- **Data analysis made easy** with the bactotype Mastitis Software
- **Open platform** designed, tested and validated to integrate with most common qPCR thermal cyclers (AriaMx, Mx3005P, ABI 7500, Bio-Rad CFX96)
- **Supply certainty**: High production capacity and safety stocks
- **Exceptional technical support by experienced veterinarians and molecular biologists**

References

1 Schroeder C, Herrmann DC, Gaunitz C, Labitzke M, Sasse O, Engemann C (2018): Efficient herd surveillance for mastitis using the modular bactotype Mastitis qPCR, World Buiatrics Congress, Sapporo, Japan, Proceedings, 202-203

2 Schlez K, Hechinger S, Gaunitz C, Herrmann D, Labitzke M, Schroeder C, Zschöck M (2019): PCR detection of staphylococcus aureus and streptococcus agalactiae in pool milk samples, International Dairy Federation, Mastitis Meeting, Copenhagen

bactotype Mastitis Test System – tailored to your specific testing requirements

Manual extraction of DNA from milk

IndiSpin Mastitis Kit
(spin column technology)



OR

Automated extraction of DNA from milk

IndiMag Mastitis Kit
(magnetic bead technology)

