



GLP Test Facility: Accelero Bioanalytics GmbH, Berlin, Germany
 Document: Accelero qPCR Assay Examples

Numerous real-time qPCR and/or RTqPCR assays are currently available.
 Please find below some of the most relevant assays.

If you require assays which have not been listed here, please contact the Accelero team for further inquiries.

| Target Name ¹ | Assay Type ² | Species Selectivity ³ | Sequence Specificity ⁴ | Example for Application ⁵ |
|--------------------------|-------------------------|----------------------------------|-----------------------------------|--------------------------------------|
| <i>undisclosed</i> | qPCR | Adenovirus Type 5 | PROBE | detection |
| <i>undisclosed</i> | qPCR | Chlamydomydia pneumoniae | PROBE | detection |
| Diphtheria toxin | qPCR | Corynebacterium diphtheriae | PROBE | detection |
| rpoB | qPCR | Corynebacterium | PROBE | detection |
| 16S rRNA | RTqPCR | E coli | PROBE | residual host cell impurity |
| 23S rRNA | RTqPCR | E coli | PROBE | residual host cell impurity |
| Kan R (nptI) | qPCR | E coli plasmid | PROBE | Plasmid copy number |
| Kan R (nptII) | qPCR | E coli plasmid | PROBE | Plasmid copy number |
| Amp R | qPCR | E coli plasmid | PROBE | Plasmid copy number |
| <i>undisclosed</i> | qPCR | Haemophilus influenzae | PROBE | detection |
| 18S rRNA | RTqPCR | Homo sapiens | PROBE | ΔΔCt |
| CD31 (PECAM-1) | RTqPCR | Homo sapiens | PROBE | ΔΔCt |
| c-Myc | RTqPCR | Homo sapiens | PROBE | ΔΔCt |
| FGF-2 | RTqPCR | Homo sapiens | PROBE | ΔΔCt |
| GAPDH | RTqPCR | Homo sapiens | PROBE | ΔΔCt |
| KLF9 | RTqPCR | Homo sapiens | PROBE | ΔΔCt |
| P42-MAPK | RTqPCR | Homo sapiens | PROBE | ΔΔCt |
| <i>undisclosed</i> | qPCR | Homo sapiens | PROBE | Human stem cell biodistribution |
| VEGF-A | RTqPCR | Homo sapiens | PROBE | ΔΔCt |
| <i>undisclosed</i> | qPCR | Legionella pneumophila | PROBE | detection |
| <i>undisclosed</i> | qPCR | Moraxella catarrhalis | PROBE | detection |
| 18S rRNA | RTqPCR | Mus musculus | PROBE | ΔΔCt |
| CD31 (PECAM-1) | RTqPCR | Mus musculus | PROBE | ΔΔCt |
| <i>undisclosed</i> | qPCR | Mus musculus | PROBE | genomic DNA quantification |
| <i>undisclosed</i> | qPCR | Mycoplasma pneumoniae | PROBE | detection |
| ARG4 | qPCR | Pichia pastoris | PROBE | MCB / WCB characterization |
| HIS4 | qPCR | Pichia pastoris | PROBE | MCB / WCB characterization |
| 26S rRNA | qPCR | Pichia pastoris | SYBR | MCB / WCB characterization |
| INF alpha 1 | RTqPCR | Rattus norvegicus | PROBE | ΔΔCt |
| MAPK 14 | RTqPCR | Rattus norvegicus | PROBE | ΔΔCt |
| Pgk1 | RTqPCR | Rattus norvegicus | PROBE | ΔΔCt |
| Fem B | qPCR | Staphylococcus aureus | PROBE | detection |
| <i>undisclosed</i> | qPCR | Staphylococcus aureus MRSA | PROBE | detection |
| <i>undisclosed</i> | qPCR | Streptococcus pneumoniae | PROBE | detection |
| Sphingomyelinase | RTqPCR | Staphylococcus aureus | PROBE | ΔΔCt |

1 as published under the corresponding nucleotide sequence accession number at NCBI.

2 qPCR = quantitative PCR; RTqPCR = suitable for detecting RNA and DNA;

4 SYBR = no sequence-specific probe applied; PROBE = sequence-specific probe applied.

The table may routinely be updated on a half-yearly basis.