

PCR Quantification Standards *for Highest Accuracy*



Features

Description These quantification standards contain genomic DNA extracted from low passage and defined microorganisms. The DNA is prepared by phenol/chloroform extraction with ethanol precipitation and subsequent column absorption methods. The DNA extract was partially sequenced and the sequence aligned to confirm identity. Titration was done after photometric quantification of the preparation against a weight calf thymus DNA standard and parallel qPCR with a synthetic and an intensively defined control plasmid. As these standards can be used with the corresponding qPCR clinical diagnostics provided by Minerva Biolabs for QA purposes, all standards are CE-marked and registered IVD's.

Recommended Use / Scope These Quantification Standards with a defined concentration of genome copies are used as calibrators to generate standard curves for quantification of target loads with the qPCR technology. In addition the standards are required for specificity testing of assays and sensitivity testing of procedures during quality assurance (QA) validation, especially in correspondence with EP 2.6.7.

Kit Components 1 vial (green cap) of Standard DNA, 100 μ l, contains 10^6 genomes/ μ l. 3 vials (white cap) with 1 ml of Tris-HCl buffer, 10 mM, pH 8.5.

Available Strains

Cat.-No. 52-0116	<i>Acholeplasma laidlawii</i>
Cat.-No. 52-5571	<i>Bordetella pertussis</i>
Cat.-No. 52-0440	<i>Chlamydia trachomatis</i>
Cat.-No. 52-0101	<i>Legionella pneumophila</i>
Cat.-No. 52-0129	<i>Mycoplasma arginini</i>
Cat.-No. 52-0117	<i>Mycoplasma fermentans</i>
Cat.-No. 52-0112	<i>Mycoplasma orale</i>
Cat.-No. 52-0130	<i>Mycoplasma hyorhinis</i>
Cat.-No. 52-0119	<i>Mycoplasma pneumonia</i>
Cat.-No. 52-0115	<i>Mycoplasma gallisepticum</i>
Cat.-No. 52-0124	<i>Mycoplasma synoviae</i>
Cat.-No. 52-0164	<i>Spiroplasma citri</i>
Cat.-No. 52-0071	<i>Pseudomonas aeruginosa</i>

Shelf Life and Storage Components must be stored at -18 °C. Shipment on cool packs. Stable for at least 6 months.