as precise as diagnostics should be™

PCR Quantification Standards for Highest Accuracy

Features

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 µl, contains 10^6 genomes/µl.
3 vials (white cap) with 1 ml of Tris-HCl buffer, 10 mM, pH 8.5.

Available Strains

Cat.-No. 52-0116	Acholeplasma laidlawii
Cat.-No. 52-5571	Bordetella pertussis
Cat.-No. 51-0440	Chlamydia trachomatis
Cat.-No. 52-0101	Legionella pneumophila
Cat.-No. 52-0129	Mycoplasma arginini
Cat.-No. 52-0117	Mycoplasma fermentans
Cat.-No. 52-0115	Mycoplasma gallisepticum
Cat.-No. 52-0130	Mycoplasma hyorhinis
Cat.-No. 52-0112	Mycoplasma orale
Cat.-No. 52-0119	Mycoplasma pneumonia
Cat.-No. 52-0124	Mycoplasma synoviae
Cat.-No. 52-0164	Spiroplasma citri
Cat.-No. 52-0071	Pseudomonas aeruginosa

Shelf Life and Storage

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