Datasheet for ABIN7538045

Pichia Pastoris Host Cell DNA Residue Detection Kit

Overview

Quantity:	50 tests
Gene:	Host Cell DNA
Species:	Pichia pastoris
Detection Range:	10 fg/μL - 1000 pg/μL
Minimum Detection Limit:	10 fg/μL
Application:	Quantitative real-time PCR (qPCR)

Product Details

Purpose:	The Pichia Pastoris Host Cell DNA Residue Detection Kit can be used for Quantitative analysis of DNA contaminants in recombinant protein expression, intermediate purification, and finished production from host cells.
Analytical Method:	Quantitative
Characteristics:	This kit adopts Taqman probe fluorescence qPCR method. The kit has the advantages of high specificity and sensitivity by using specific primers & probes, LOD can reach 1fg level.The preparation process of DNA Control is completely consistent with National Standard, therefore it has high purity and no protein and ion interference to ensure the accuracy of the sample quantitative detection.The kit provides DNA Dilution Buffer, which enables good replicate parallelism in a single experiment and good reproducibility between multiple experiments.
Components:	2XqPCR Mix, Primer&Probe Mix, DNA Dilution Buffer, DNA Control (10ng/μL), RNase-Free H2O, 50X ROX Reference Dye (Optional)

Target Details

Gene:	Host Cell DNA

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Protocol:	• 2XqPCR Mix: 12.5 µL • Primer&Probe Mix: 2 µL • DNA template (control or sample): 5 µL • Add water: 5.5 µL • Total Volume: 25 µL Mix solution = (number of reaction wells+4) * (12.5+2+5.5)µL (including the volume lost in the 4 wells). The detection range of the standard curve mentioned above is suitable for most experiments and can be adjusted as needed, such as 3fg/ul-300pg/ul.
Assay Precision:	Intra Variation% 3.1-10, Inter Variation% 10-24
Restrictions:	For Research Use only

Handling

Storage:	-20 °C

Publications

Product cited in:	Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)