

Pichia Residual DNA (qPCR) Detection Kit

Cat. No. KITF-060 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

As a eukaryotic organism, *Pichia pastoris* has many advantages of advanced eukaryotic expression systems, such as protein processing, folding, post-translational modifications, etc. Moreover, the operation is as simple as *E. coli* and brewing yeast. It is faster, simpler, cheaper, and has higher expression levels than other eukaryotic expression systems such as rod-shaped viruses or mammalian cell cultures. As a yeast, *Pichia pastoris* has similar molecular and genetic advantages as brewing yeast, and its exogenous protein expression level is ten to a hundred times higher than the latter, making it a very useful protein expression system.

According to the third part of the 2020 edition of the Chinese Pharmacopoeia, the residual amount of DNA in biological products produced from cell matrix cannot exceed 100 pg/dose, and the residual amount of DNA in biological products expressed from bacterial or fungal matrix (yeast, *Escherichia coli*, etc.) cannot exceed 10 ng/dose. The *Pichia pastoris* residual DNA (qPCR) detection kit has strong specificity and can quickly and specifically detect Hela cell DNA residues in semi-finished products, intermediate products, and finished products.

Size

100 Reactions/kit

Storage

Store in dark at -20°C below

Kit Components

Pichia Primer&Probe MIX; 550μL×1 tube; -20°C(keep in dark)
 2×qPCR Reaction MIX; 1.6mL×1 tube; -20°C
 Pichia DNA Quantitative Reference (30ng/μL); 50μL×1 tube; -20°C

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DNA diluent; 1.5mL×3 tubes; -20°C

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