PEC-P
PCR Enhancer Cocktail Cat #: E650

Amount: 5 x 1.25 ml PEC-P (100 x 25 ul reactions each)
Shipping conditions: Ambient temperature
Storage conditions: -20° C
Shelf life: 4 years at -20°C. If crystallization occurs, the solutions can be restored by soaking at 50-70°C.

PRODUCT DESCRIPTION:
PEC-P is particularly recommended for samples containing polyphenolic PCR inhibitors. It has been shown to be effective in overcoming inhibition from plant tissues, bile salts, and fecal samples

Our family of PEC products are non-betaine based PCR enhancers specifically designed for use with inhibitory templates such as plasma, serum, whole blood, inhibitory food matrices, plant tissue, polyphenolic samples, humic acid, bile, and feces. In many cases amplification may be performed **without DNA purification**. They are highly recommended for use with our inhibition-resistant Taq and Klentaq mutants. When used with a PEC, our enzymes can tolerate at least 25% plasma, serum, or whole blood, and as high as 80% GC content templates. PECs are efficient in conventional or real-time PCR, both in SYBR Green and TaqMan assays. PECs are compatible with most commercially available DNA polymerases, but they are not recommended for use with AmpliTaq Gold.

APPLICATION: Include PEC as one half the volume of your PCR reaction (add 25µl to each 50µl PCR reaction or 12.5µl to each 25µl PCR reaction.)

Please visit us on the web at www.klentaq.com for help selecting the appropriate PCR Enhancer Cocktail for your application. We also offer troubleshooting and provide detailed protocols.

REFERENCES:
Zhang, Z., et al. (2010) Direct PCR Amplification of DNA from Crude Samples Using a PCR Enhancer Cocktail and Novel Mutants of Taq. J Mol Diagn, 12 (2): 151-161.