

Guidelines and precautions for selection of polymerase

Some of the commercially available buffer solutions for polymerases contain components that may inhibit the activity of the CEL1 enzyme.

Following are lists of polymerases for which we have confirmed whether their buffers interfere with the CEL1 reaction. Please use polymerases in List 1 if possible.

1. Polymerases that allow direct treatment with the CEL1 enzyme (confirmed).

Ex Taq (TaKaRa)
LA Taq (TaKaRa)
LA Taq with GC-Buffer (TaKaRa)
GoTaq (Promega)

2. Polymerases that cannot be used for direct treatment with the CEL1 enzyme (confirmed).

(CEL1 enzyme treatment can be performed by purifying the PCR product and exchanging the buffer after PCR; however, this procedure is troublesome)

KOD FX (TOYOBO)