

## Product Datasheet

# Vazyme - Taq HS DNA Polymerase (Glycerol-free) (QL101-02)

<b>Catalog Number</b>	QL101-02
<b>Category</b>	Tools
<b>Description</b>	<p>Taq HS DNA polymerase is a hot-start Taq polymerase obtained by mixing Champagne Taq antibody with Taq DNA polymerase in an optimal ratio. Due to the unique thermo stability of Champagne Taq antibody, the activity of Taq HS DNA polymerase is still blocked at temperature up to 55°C, which minimizes non-specific amplification during the mixing and system heating. When the reaction is kept at 95°C for more than 30 sec, Champagne Taq antibody is completely inactivated and Taq enzyme activity is completely released, ensuring that the PCR system has extremely high amplification sensitivity and specificity. The activation of Taq HS DNA polymerase is not affected by pH, ionic strength, etc. It is applicable for various hot-start PCR and qPCR based on Taq DNA polymerase and can be used to amplify gene with low copy numbers from complex templates (genome and cDNA). It is the hot-start Taq enzyme of choice for PCR/qPCR molecular diagnostic reagents. Taq HS DNA polymerase has higher stability and detection rate. This product is a glycerol-free version of Taq HSDNA polymerase, which can be used for lyophilization.</p>
<b>Application notes</b>	<p>Hot-start technology: Superior specificity and sensitivity; convenient room-temperature reaction setup Good Stability: Stable performance after 30 freeze-thaw cycles or store at 4 °C for 4 weeks Robust performance: Higher yield of target amplicons from low template amounts/complex templates Lyophilization: Glycerol-free version of Taq HS DNA polymerase (Biorbyt #P132), which can be used for lyophilization</p>
<b>Usage Notes</b>	Restricted to UK and Ireland's customers ONLY
<b>Storage</b>	Store at -30 ~ -15°C and transport at ≤0°C.
<b>Background</b>	Only available for the UK and Republic of Ireland

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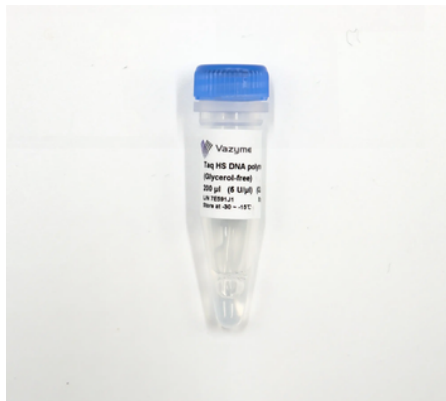
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**Note** For research use only

**Expiration Date** 12 months from date of receipt.

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