



# Recombinant *T. aquaticus* Taq DNA Polymerase (DAG3606)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant Taq DNA Polymerase
<b>Species</b>	<i>T. aquaticus</i>
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	PCR, 3' A-tailing of blunt ends, compatible with Vectors.
<b>Buffer</b>	Compatibility with Reaction Buffers: Taq DNA Polymerase in Storage Buffer. Use of other reaction buffers that do not contain Triton X-100 (final concentration of 0.1%) will result in inactivation of the enzyme. 50 mM Tris-HCl (pH 8.0) + 100 mM NaCl + 0.1
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

<b>Introduction</b>	<i>Thermus aquaticus</i> is a species of bacterium that can tolerate high temperatures, one of several thermophilic bacteria that belong to the <i>Deinococcus-Thermus</i> group. It is the source of the heat-resistant enzyme Taq DNA polymerase, one of the most important enzymes in molecular biology because of its use in the polymerase chain reaction (PCR) DNA amplification technique.
<b>Keywords</b>	<i>T. aquaticus</i> ; <i>Thermus aquaticus</i> ; Taq polymerase; Taq-exonuc; DNA polymerase; Taq Pol; Taq; <i>Thermus</i> ; <i>Thermales</i>