

# Product Datasheet

## Isotherm3G DNA Polymerase #8701

Product Name	Isotherm3G DNA Polymerase
Catalog Number	#8701
Description	<p>Isotherm3G DNA Polymerase is a mesophilic DNA polymerase, which synthesizes DNA from both DNA and RNA templates with a high strand displacement activity allowing simplified one-enzyme RT-LAMP reactions. It exhibits 5' to 3' polymerase activity but lacks any exonuclease activity. The product components have been optimized and are perfectly suited for loop-mediated isothermal amplification (LAMP) with optimal reaction temperature at 65°C.</p> <p>Isotherm3G DNA Polymerase utilizes an aptamer-based warm-start feature to prevent false amplification at low temperatures. For more information, please contact us.</p> <p>The product is available also in bulk quantities with custom fillings and can be produced customized for example in a lyo-ready formulation.</p> <p>For more information, please check : <b>Isotherm3G DNA Polymerase</b></p>
Tested Applications	Isothermal
Brand	myPOLS Biotec
Storage	-20°C
Content	<p>1 600 U: 8U/μl, 1x 200μl Isotherm3G DNA Polymerase; 1x 1ml 10x Isotherm3G reaction buffer</p> <p>8 000 U: 8U/μl, 1x 1ml Isotherm3G DNA Polymerase; 3x 1ml 10x Isotherm3G reaction buffer</p>