

## Product Datasheet

### RevTaq RT-PCR DNA polymerase 6500

**Product Name** RevTaq RT-PCR DNA polymerase

**Catalog Number** #6500

**Description** RevTaq RT-PCR DNA polymerase is an engineered, extremely thermostable, aptamer-based fast-formulated reverse transcriptase and combined DNA polymerase with a half-life at 95°C of > 40 min. This enzyme allows reverse transcription reactions at high temperatures, minimizing the problems encountered with strong secondary structures in RNA. RevTaq RT-PCR DNA polymerase allows “zero-step” RT-PCRs directly from RNA templates without an isothermal reverse transcription step, as reverse transcription takes place simultaneously with DNA amplification during the cycled PCR elongation step. RevTaq RT-PCR DNA polymerase is the pure, reverse transcription active enzyme ingredient of our Volcano3G® RT-PCR Master Mixes.

For more information, please check :

**RevTaq RT-PCR DNA polymerase, 50x concentrated glycerol stock**

**Tested Applications** End-Point, Real-Time

**Brand** myPOLS Biotec

**Storage** -20°C

**References** Blatter, N., Bergen, K., Nolte, O., Welte, W., Diederichs, K., Mayer, J., ... & Marx, A. (2013). Structure and Function of an RNA-Reading Thermostable DNA Polymerase. *Angewandte Chemie International Edition*, 52(45), 11935-11939.

**Content** S pack: 1 x 50 µl RevTaq RT-PCR DNA polymerase (50x); 1 x 1.25 ml 5x Volcano buffer

L pack: 1 x 250 µl RevTaq RT-PCR DNA polymerase (50x); 2 x 1.25 ml 5x Volcano buffer