



## Product Insert RampTaq COMPLETE

**Product:** RampTaq COMPLETE

<b>Catalogue No:</b>	Number of Reactions	Catalogue Number
	100	CB-4030-1
	500	CB-4030-2

**Description:** RampTaq COMPLETE is a complete “ready to go” heat-activated 2x reaction-mix which requires the consumer to add only water, template and primers, then pre-heat to 95°C to successfully carry out primer extensions and other molecular–biological applications. The activation step eliminates the presence of non-specifics such as primer-dimers and mis-primed products, by ensuring the enzyme is inactive at initial low temperatures.

The mix has been optimised for a wide variety of templates however we do include a 50mM magnesium solution should any fine adjustments be required.

RampTaq COMPLETE dramatically reduces the time needed to set up reactions, thereby reducing the risk of contamination. Greater reproducibility is ensured, by reducing the number of pipetting steps that can lead to pipetting errors.

**Composition of Supplied 2x Mix:** 32mM (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>  
125mM Tris-HCl (pH 8.3 at 25°C)  
0.02% Tween 20  
2mM dNTP's  
Stabilizer  
RampTaq DNA Polymerase 0.15u/μl  
MgCl<sub>2</sub> 3mM.

**Directions for Use:** The Denville RampTaq COMPLETE is designed with ease-of-use in mind. Each reaction requires 25μl of 2x RampTaq COMPLETE (supplied) in addition to Primers and Template, and sufficient 18.2 mΩ water for a final reaction-volume of 50μl.

**Storage Conditions:** 2x RampTaq COMPLETE can be stored for:  
6 months at -20°C  
2 weeks at 4°C

*Repeated freeze/thaw should be avoided.*

**Batch details:** Batch No: See vial  
Cat No: See Vial

**Shipping conditions:** Suitable for shipping at room temperature.

**Product Life:** **Product Life:** 6 months from date of purchase

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**This certificate is a declaration of analysis at the time of manufacture**