

## 5x PCR Buffer RED

Cat. No.	5x PCR Buffer RED, 7.5 mM MgCl <sub>2</sub> ID: 5100100
A301803	3 x 1.5 ml

### Key Features

The 5x PCR Buffer RED is applicable with both Ampliqon Taq DNA Polymerase and Ampliqon TEMPase DNA Polymerase. The buffer consists of the Ampliqon Ammonium Buffer, a red tracking dye and a density agent. Thus, when the PCR is finished, PCR products can be directly loaded onto a DNA gel for gel electrophoresis and subsequent visualization. There is no need to buy and use separate loading buffers. The red dye front runs at 1000 – 2000 bp on a 0.5 – 1.5 % agarose gel.

The red dye of 5x PCR Buffer RED may interfere with downstream applications that apply absorbance- or fluorescence measurements. However, treatment with Ampliqons PCR clean up PureIT ExoZAP and/or spin columns followed by DNA sequencing is compatible with 5x PCR Buffer RED.

### Recommended Storage and Stability

Long term storage at -20 °C. Product expiry at -20 °C is stated on the label.

Option: Store at +4 °C for up to 6 months.

### Quality Control

5x PCR Buffer RED is both functionally tested and tested for contamination with human genomic DNA.

### Composition of the 5x PCR Buffer RED

- Tris-HCl pH 8.5, (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>, 7.5 mM MgCl<sub>2</sub>, 0.5 % Tween<sup>®</sup> 20
- Red tracking dye
- Density agent

For Research Use Only. Not for use in diagnostics procedures.

Other product sizes, combinations and customized solutions are available. Please look at [www.ampliqon.com](http://www.ampliqon.com) or ask for our complete product list for PCR Enzymes. For customized solutions please contact us.

**Made in Denmark**

Issued 08/2025