

Product Group Quality Certificate and Technical Characteristics

TreffLab 96 and 384 Well PCR/ qPCR Plates

This document is valid for all
PCR/ qPCR Plates:

TreffLab PCR 96 Plates
TreffLab qPCR 96 Plates
TreffLab PCR 384 Plates
TreffLab qPCR 384 Plates



Production

Nolato Treff AG confirms that TreffLab PCR/ qPCR Plates are made of virgin PP resins providing high chemical resistance. The microbiological controlled fabrication is carried out in clean room class 8, ISO 14644-1. No additives are used.

Quality Parameters

Analyses are performed by an independent Swiss laboratory for molecular biological & microbiological analytics, accredited ISO/IEC17025 for real-time PCR:

- Free of RNase ($< 5 \times 10^{-9}$ Kunitz units)
- Free of DNase ($< 5 \times 10^{-6}$ Kunitz units)
- Free of DNA (< 2 pg DNA)
- Free of PCR inhibitors (< 10 copies)
- Free of endotoxins (< 0.001 EU/ml)
- Free of ATP (< 30 RLU)



Nolato Treff uses raw materials which are in compliance with the actual valid RoHS and REACH regulations strictly. Therefore, it also includes Art. 33 of REACH concerning SVHC substances.

Physical Properties

- Ultrathin walls guarantee rapid heat transfer and short cycle times
- Special surface quality minimizes binding of enzymes and nucleic acid to the wells
- ANSI/SLAS 2004 standard for robotic handling
- Suitable for use in common thermal cyclers
- Withstand a temperature range from approx. -195°C (gas phase of liquid nitrogen) to 121°C (autoclaving 20 min., 100% humidity)
- Ready to Use (CleanRoom Pure[®] / LoTrace[®] DNA)

Materials

All products are produced with 100 % virgin polymer only. No recycled materials are used. Our material suppliers do not use or intentionally incorporate the following agents into the materials

Nolato Treff used for production:

- Slip agents (i.e. Oleamide)
- Biocides (i.e. DIHEMDA)
- Plasticizers (softeners/ phthalates)
- Silicone

ISO Certificates

The Nolato Treff AG is certified according to ISO 9001, ISO 13485, ISO 14001 and ISO 22000.

All TreffLab Consumables are produced in microbiologically controlled clean rooms class 8, ISO 14644-1

Safety note

TreffLab qPCR Microtubes and Plates, PP, have been specifically developed to deal with special Real-Time PCR requirements such as optimized reflection of fluorescence signals for direct quantitate DNA measurement. They are 100 % sensitivity safe and enable rare nucleic acid sequences to be detected and analyzed. Intended use: For Research and Development only

To keep the physical properties of TreffLab PP Consumables, the following storage conditions are recommended:

- storage temperature (18 – 28°C)
- no light exposure (= packed in original cardboard box)

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