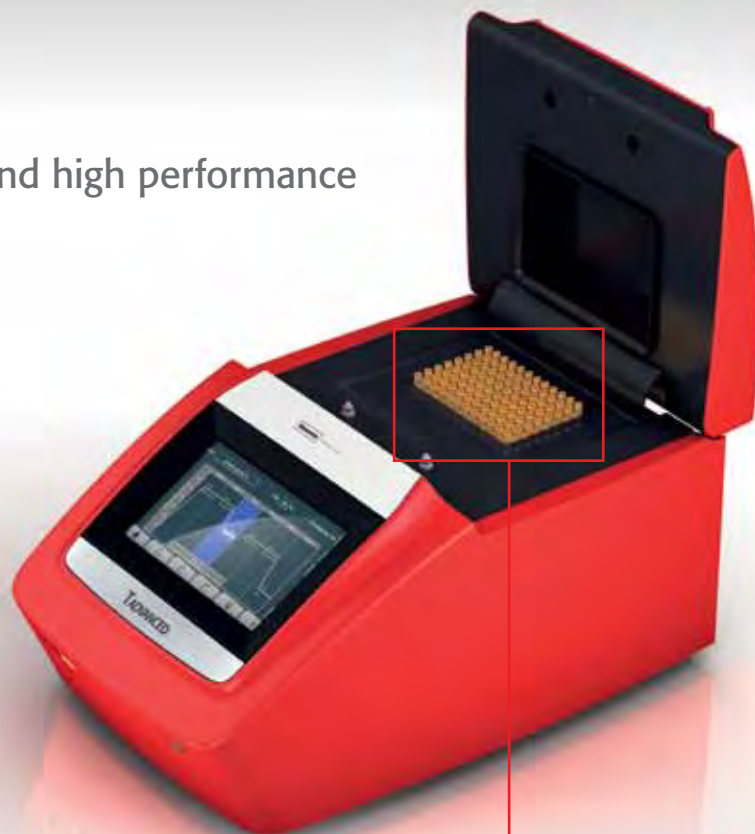


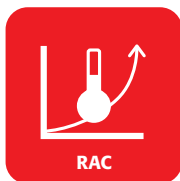
TADVANCED

Uniting versatility and high performance



High-speed silver or aluminum block

The TAdvanced thermocycler is available with either a silver or aluminum sample block. **Fastest Ramping:** Thanks to the new electronics, the TAdvanced with aluminum block can reach maximum heating and cooling rates of 6°C/s – fastest **Ramping** rates that so far could only be achieved with a silver block. A high-end version featuring a 96-well silver block is available as well. **Highest Accuracy:** Because silver conducts heat so well, this block adapts to temperature changes very quickly, maximizing speed and achieving outstanding temperature uniformity. The surface of the valuable silver block is coated with a layer of gold to protect it from corrosion. (picture left side, below) **Block Control:** The TAdvanced controls the sample block temperature without under- or overshooting the programmed target temperature. This reflects our philosophy that the instrument does exactly what the user has programmed it to do. The ingenious temperature control system incorporated into our **RAC** (Ramping – Accuracy – Control) technology maximizes experimental reproducibility.



The perfect block seal

The blocks are also perfectly sealed to prevent condensation from coming into contact with either the Peltier elements located below the sample block or with other electronic components. The seal protects the Peltier elements and extends the life of the instrument.

- Outstanding heating and cooling rates for fast protocol run times
- Superior temperature uniformity for reproducible processes
- Perfect protection from corrosion and condensation

