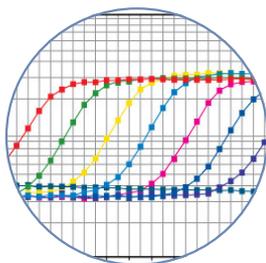


# PCR setup STARlet

## Automated PCR assay setup

for e.g. endpoint-, real-time-, RT- or multiplex PCR



- ▶ Highly flexible
- ▶ Easy to use
- ▶ Resource saving
- ▶ Reliable

# Discover the possibilities

The Hamilton PCR setup STARlet is suitable for a wide range of applications such as gene expression, genotyping, sequencing or pathogen detection.

It has been developed for 96/384 PCR plates but different labware types such as strips or even rotor discs can be used.

The outstanding deck capacity of 25 SBS plate positions compared to the small system footprint is unique in this category; with its available configurations from 4 to 8 independent 1 ml channels and the option to integrate the ODTC endpoint PCR cyclers on deck, the PCR setup STARlet serves a broad range of needs and throughputs, from simple to highly complex assay setups.

## Highly flexible

- ▶ **PCR setup software:** enables the flexible combination of PCR components, from simple two step- (e.g. template + primer MasterMix) to complex setups with up to 7 pipetting steps
- ▶ **Sample normalization:** varying sample input concentrations can be normalized to one or more target concentrations; can also be used for serial dilutions
- ▶ **Multiplexing:** up to 4 primer mixes can be pipetted per reaction well
- ▶ **MasterMix preparation:** the multiplexing function can be used for simple "MasterMix preparation in reaction" with up to 6 components
- ▶ **Reagents/labware:** different PCR kits and labware formats can be used, there is no supplier limitation
- ▶ **LIMS compatibility:** the assay setup information is generated with a GUI but it can also be imported from a LIMS system

## Easy to use

- ▶ **Visualized setup:** a Graphical User Interface (GUI) easily guides through the assay setup
- ▶ **Quick PCR setup function:** allows fast assay setup, higher throughput and decreased processing times
- ▶ **Advanced PCR setup function:** simplifies complex setups with up to 7 PCR components including multiplexing function and free plate design
- ▶ **Reusable protocols:** setups can be saved and reused again. Partial reuse is possible e.g. replacing samples while leaving the remaining setup and plate design unchanged

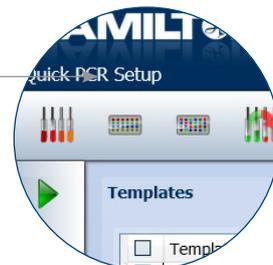
## Resource saving

- ▶ **Low volume PCR:** precise pipetting of small volumes for low volume reactions in e.g. 384 PCR plate format
- ▶ **Reagent saving pipetting:** with low dead volumes expensive reagents can be saved
- ▶ **Time saving:** reduced hands-on and processing times due to high deck capacity and optimized pipetting settings

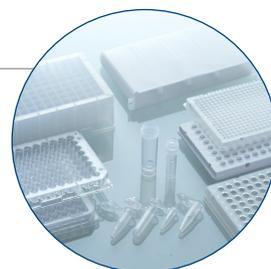
## Reliable

- ▶ **Accurate reaction setup:** highly precise liquid handling with Hamilton Monitored Air Displacement pipetting technology
- ▶ **High traceability:** optional tracking of all input components by barcode scanning; tracing complete setup information throughout the process
- ▶ **Verified configurations:** tested default configurations are included in delivery

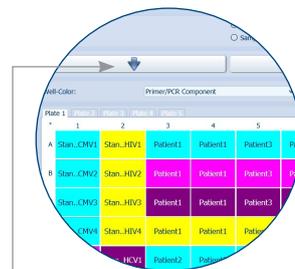
For further information please visit [www.hamiltonrobotics.com](http://www.hamiltonrobotics.com) or contact your local distributor.



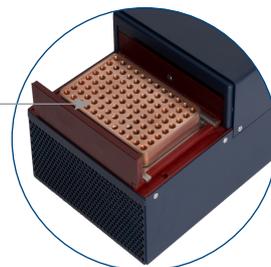
Easily choose function: quick- / advanced PCR assay setup or sample normalization



Either use predefined or your desired labware



Easily create new or change existing setups with the PCR plate designer



Save time and benchtop space: optionally integrate the ODTC, On Deck Thermal Cycler, for endpoint PCR

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