

- + Automatic and seamless analysis
- + All results stored centrally
- + Ability to view individual reactions
- + Transparency of results with ability to view result combinations at CWD, CWD/rare and rare level

Validated on Applied Biosystems QuantStudio™6/7, ViiA™ 7 and Roche LightCycler® 480 II



Roche LightCycler 480 II

QuantStudio 6, 7 and ViiA 7

**Ordering information**

Product	Quantity	Product No.
QTYPE 11	10 tests	201.701-10
Color compensation calibration plate	1 test	203.501-01
Optically-clear PCR sealing sheets	10 sheets	203.502-10



Manufactured by Olerup SSP AB  
www.olerup.com

Distributed by Olerup  
www.olerup.com

QTY-190424-3



## Speed and Precision in Real Time



### QTYPE - Time is on your side

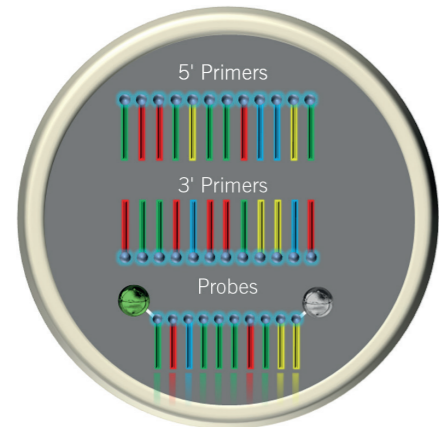
- HLA typing in 60 minutes
- TaqMan probes
- Multiplexed - up to 1,536 individual reactions
- Continuous resolution improvements
- All alleles covered at least twice in different reactions



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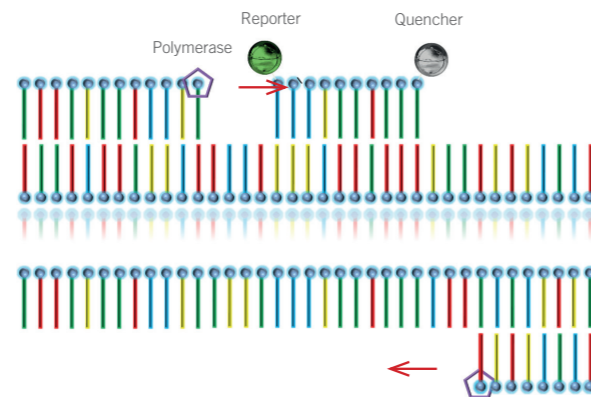
QTYPE is CE/IVD European Union. For research use only – USA and Canada.

# Multiplexing with Hydrolysis Probes



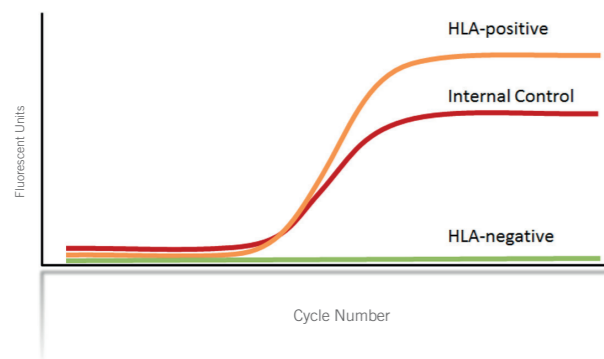
## PRIMERS AND PROBES

- Each well contains primers and TaqMan probes
- TaqMan probes contain a reporter dye and a quencher molecule
- TaqMan probes in this form do not fluoresce



## PCR AMPLIFICATION

- Primer and probes bind to DNA
- Polymerase digests the probe releasing the reporter molecule
- Freed reporter molecule fluoresces

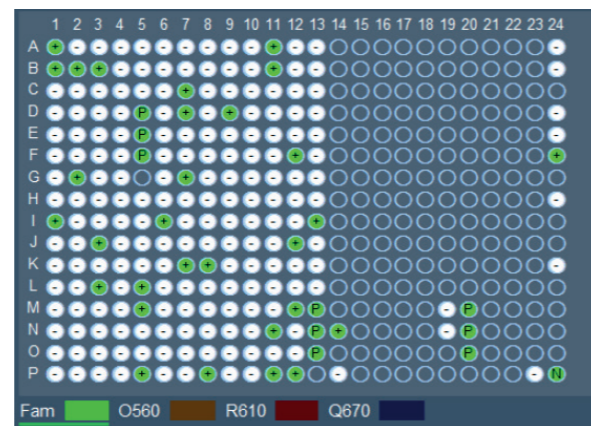


## REAL TIME

- Illuminated after each extension step
- Level of fluorescence related to amount of PCR product
  - Detect when true amplification occurs
  - Detect how much probe has bound
- Both values used to determine positive or negative reaction

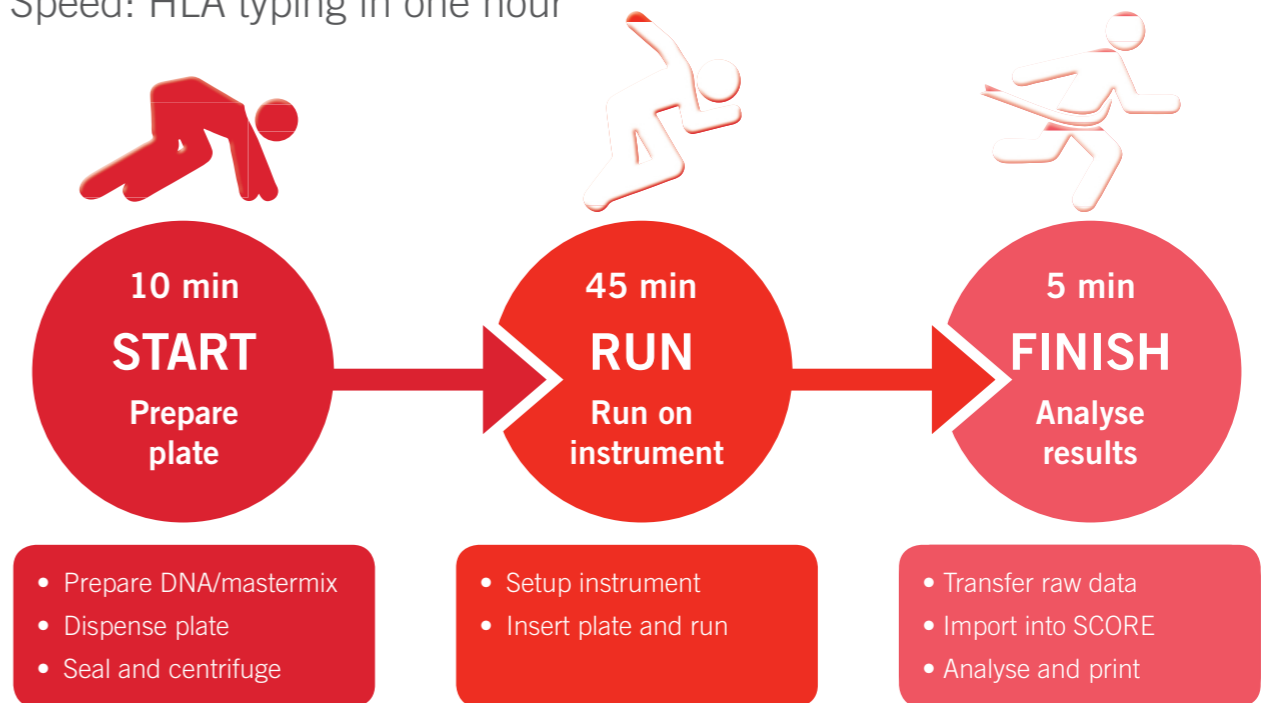
## MULTIPLEXING

- Up to 4 detection channels
- Up to 1,536 reactions possible

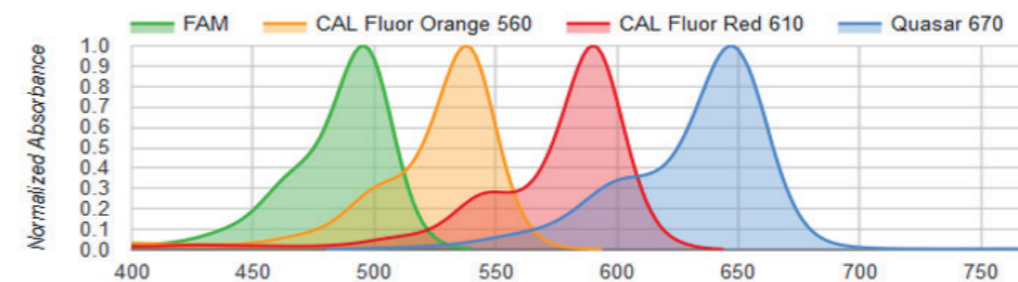


# A complete workflow offering speed and precision in real time

Speed: HLA typing in one hour



Precision: Multiplexing with TaqMan probes



- + Four Channels
- + Up to 1,536 reactions
- + Positive Controls
- + Passive dye

SCORE 6: Simplifying your analysis

