



All the colours in one tube -
Real-time PCR for HLA typing

HISTO TYPE Rainbow

BAG Diagnostics.

The experts for HLA and blood group diagnostics

All the colours in one tube

Reliability

- Resolution of CWD allele groups
- Common Null alleles differentiated
- Robust interpretation based on Cq ratios

Five colour multiplexing

- Use the full capacity of modern real-time cyclers with our revolutionary 5 colour HLA multiplex genotyping

11 Loci in a 96 well plate

- Real-time PCR assay based on TaqMan® probes for 11 HLA Loci in one 96 well plate

Fast and comprehensive real-time HLA typing

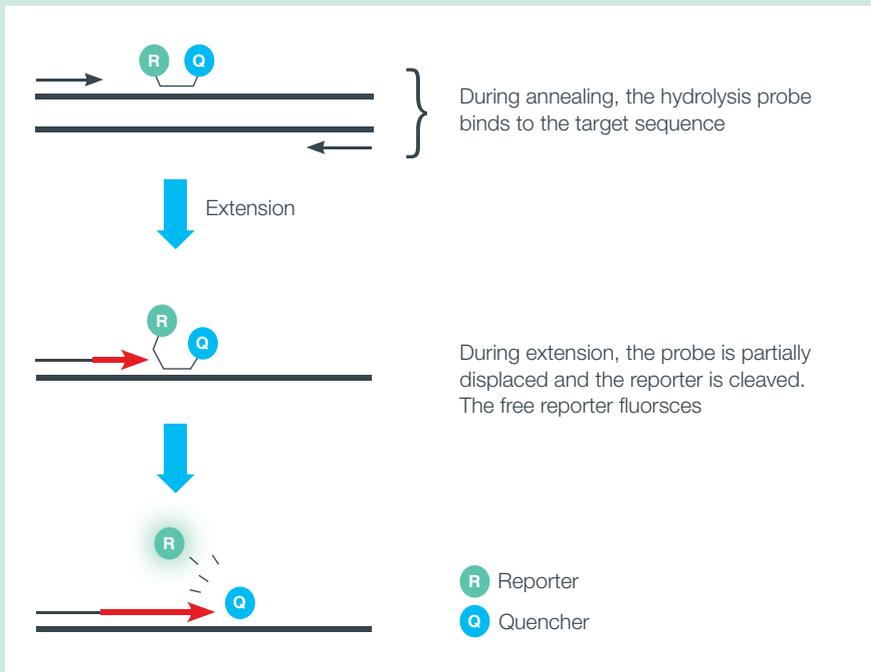
Easy implementation

- User friendly automated interpretation software
- No separate post-PCR area needed
- Ecological – no toxic waste
- Cost effective

Easy handling

- Save time with results in less than 80 minutes
- Convenient and safe without gels
- Low DNA-concentrations (10 ng/ μ l) are sufficient
- No colour compensation run needed with the default cycler
- Easy set up, ready to use format

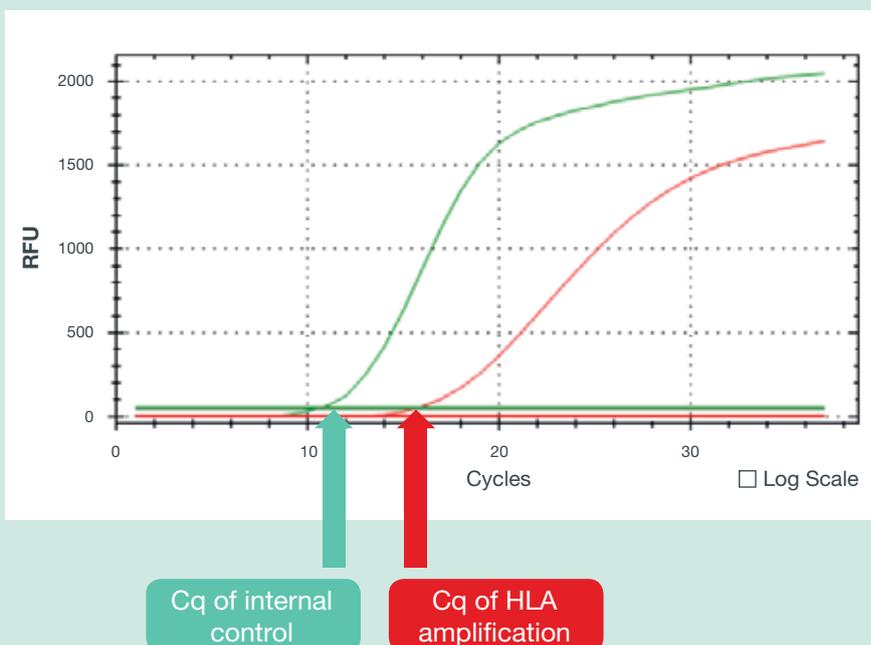
High specificity with TaqMan® probes



The specificity of the reaction is defined by the primer and probe sequences. This increases resolution and reduces false positive reactions.

In a positive reaction the fluorescence increases with each cycle.

Robust results because positive reactions are determined by Cq ratio

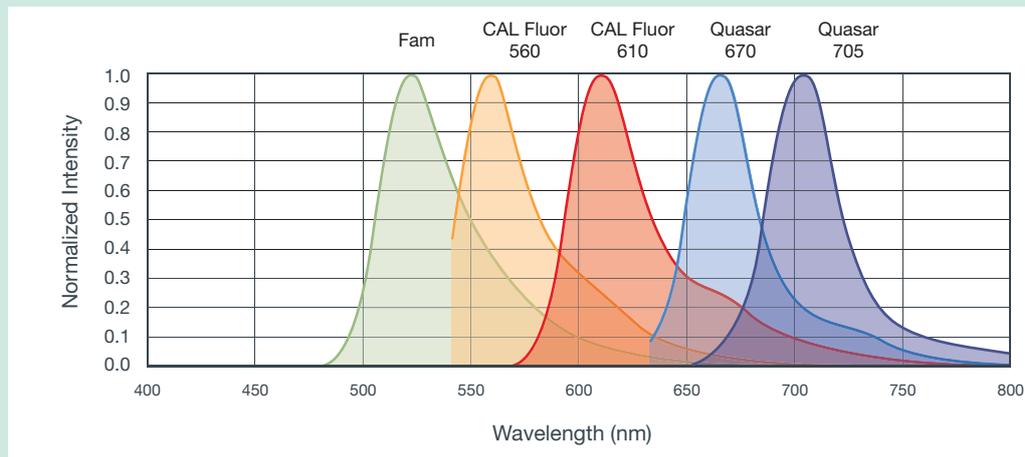


Normalization of the reactions against the positive control make the test robust against variations of the fluorescence intensity.

Therefore, no colour compensation is needed with the default cyclor.

Five colour multiplexing

Colours with separated emission spectra were selected:



Fam: Internal Control

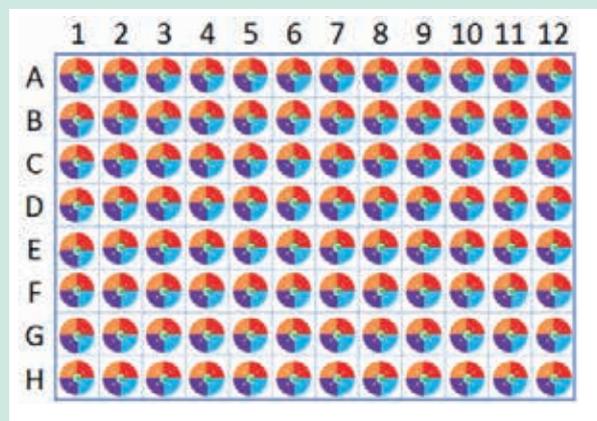
CAL Fluor 560 and 610: HLA-A, B, C

Quasar 670: DRB1/3/4/5

Quasar 705: DQB1, DQA1, DPB1, DPA1

Other fluorophores used for compatibility with other instruments.

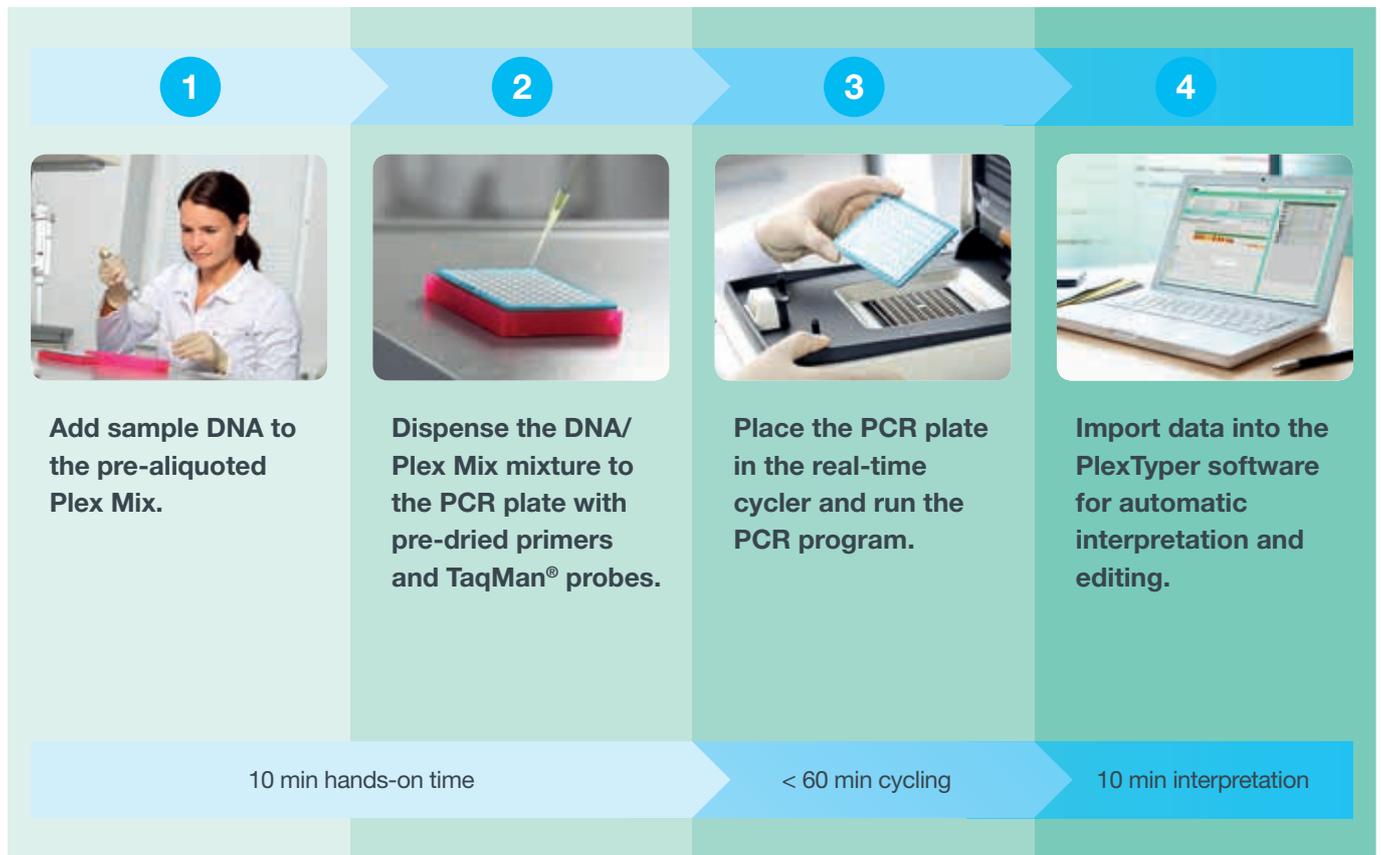
Each of the 96 wells contain 1 control and up to 4 allele reactions in 4 different channels – resulting in a capacity of 384 allele specific reactions.



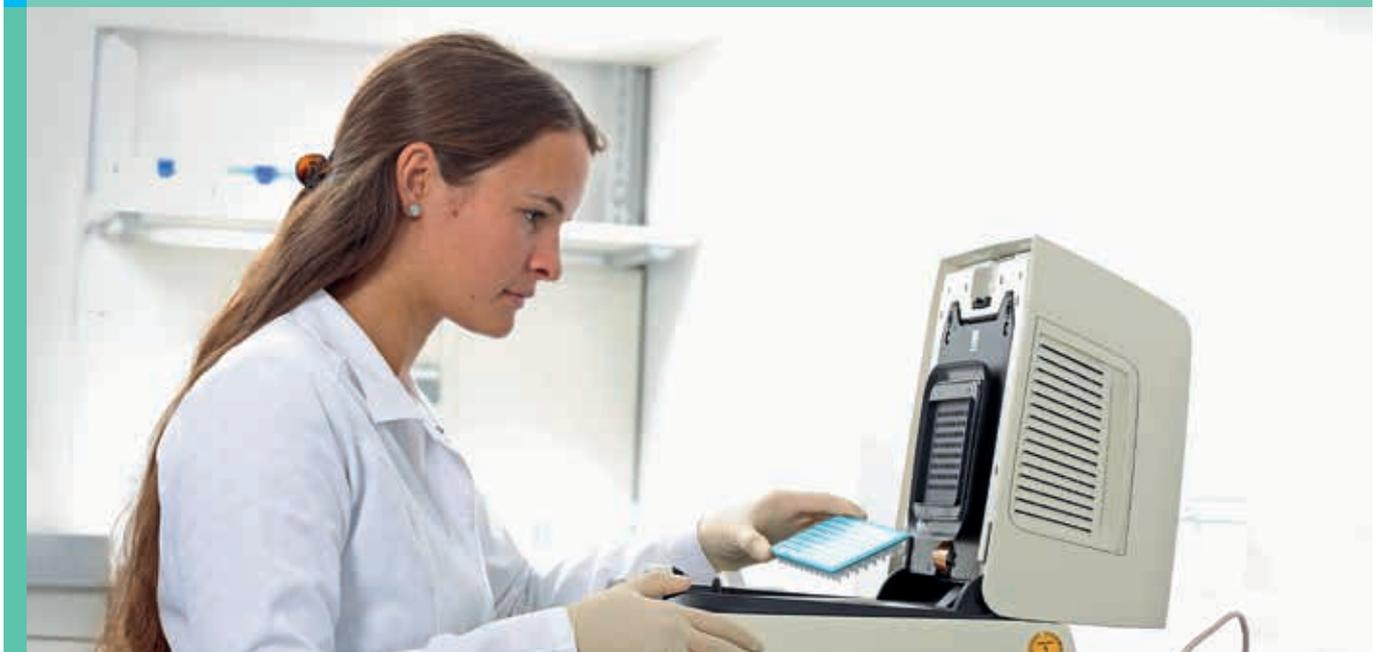
The easy way to fulfill the requirements for on-call typing

- Common and well documented (CWD) allele groups are identified
- All 11 Loci are covered
- Common Null alleles are differentiated from common expressed alleles

Easy workflow



**Adaptable to different cycler models –
contact us for details**



Makes your life easy: Automated interpretation with the PlexTyper software

- Patient and sample management
- Automated interpretation of raw data from the real-time instrument
- Fast and easy: Intuitive interpretation tools for reviewing and editing results
- Quality scores for individual reactions
- Flexible: Options to view result combinations at CWD and rare level
- Print or save reports
- Can also be used for interpretation of blood group typing data (ERY Q product line)



Ordering information

Product	Package	REF
HISTO TYPE Rainbow	10 Tests	728220
HISTO TYPE Plex Mix	230 µl	728298
qPCR Seal	10 pcs	728297
PlexTyper Software		728299

We are the experts for HLA and blood group diagnostics

With **more than 30 years of experience** BAG Diagnostics is the specialist for HLA and blood group diagnostics. As an independent, global operating company we offer **permanent ongoing development** of our products and services.

Our motivation is to **exceed the expectations of our customers** and partners. Hence, we support them with **extraordinary service** and **new ways of thinking – capable, fast and spot-on.**