

WE LIVE
TO EXCITE



PINPOINT
AND FAST

PRECISION TYPING OF BLOOD
GROUPS, HPA AND HNA SYSTEMS
WITH REAL-TIME PCR

ERY Q[®] KITS

BAGO 
DIAGNOSTICS



SCOPE OF APPLICATION

TYPE ALL CLINICALLY RELEVANT BLOOD GROUPS, HPA AND HNA SYSTEMS IN ONE RUN

- Alternative to serology for rare blood groups – be independent of rare blood group sera
- For donor and patient typing
- Prenatal testing of RHD, HPA and HNA systems
- For confirmatory typing of samples with weak or questionable serological results

YOUR ADVANTAGES

Be sure

Distinguished software

Save time

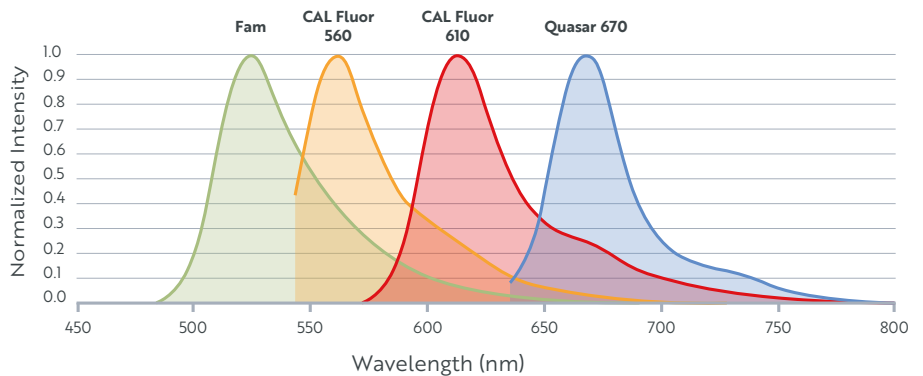
Results in 70 min. only

Be relaxed

Gel-free PCR method and ready-to-use plate format

FOUR COLOUR MULTIPLEXING

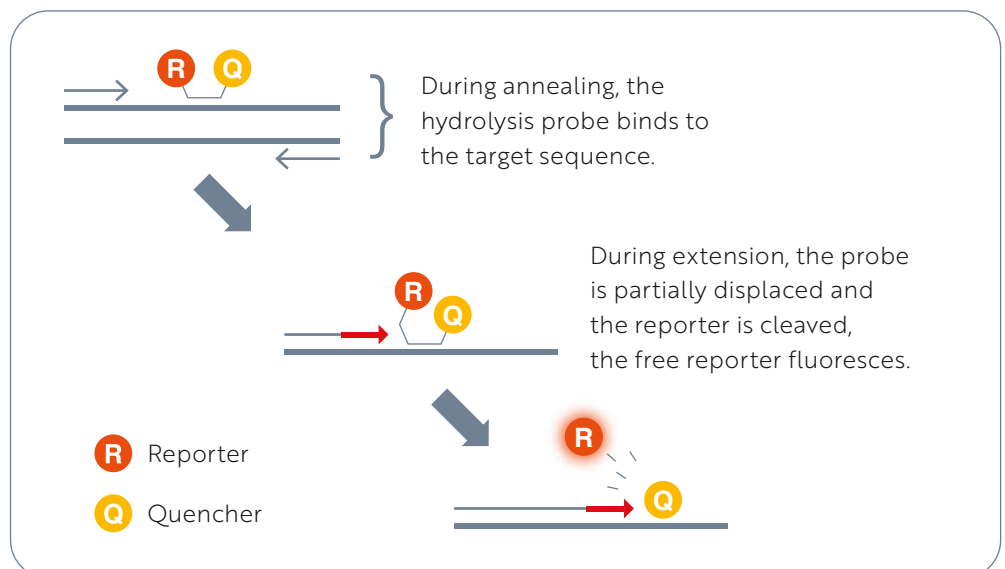
Colours with separated emission spectra were selected:



DUE TO HIGHLY MULTIPLEXED MIXES AND USE OF 4 COLOURS:

- Save space on the plate – more samples in one run (higher throughput)
- Most common real-time cycler fit

HIGH SPECIFICITY WITH TaqMan[®] PROBES



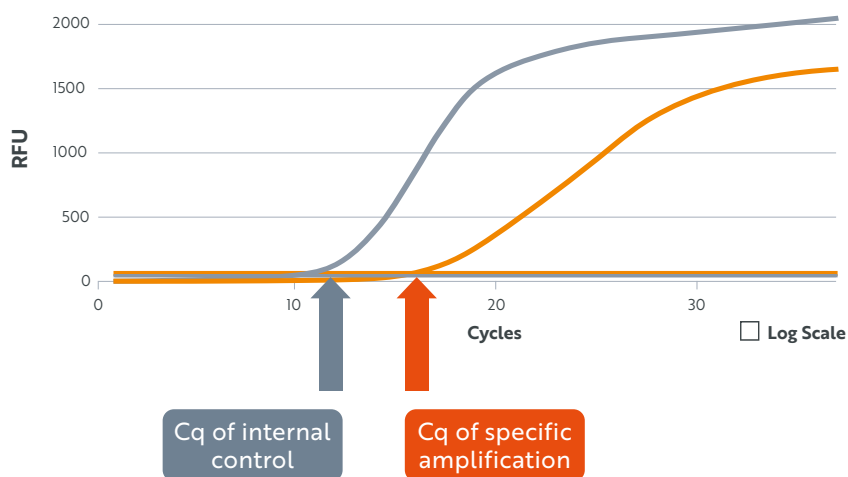
The specificity of the reaction is defined by the primer and probe sequences. This increases resolution and reduces false positive reactions.

In a positive reaction the fluorescence increases with each cycle.

„FALCON EYE“ PlexTyper® SOFTWARE

- Sharp-sighted curve recognition
- Automated interpretation and reports
- Connection to LIMS
- Intuitive user experience

ROBUST RESULTS WITH PlexTyper® SOFTWARE



Normalization of the reactions against the positive control makes the test robust against variations of the fluorescence intensity. Therefore, no colour compensation is needed with the default cyclor.

VALIDATED THERMAL CYCLERS

BIO-RAD CFX96 Touch™ **BIO-RAD** CFX Opus

- No colour calibration required
- Plug-and-play system
- Dx Systems complying with IVDR available



BIO-RAD CFX Opus

Special conditions for Bio-Rad real-time cyclers

Roche LightCycler® 480 II

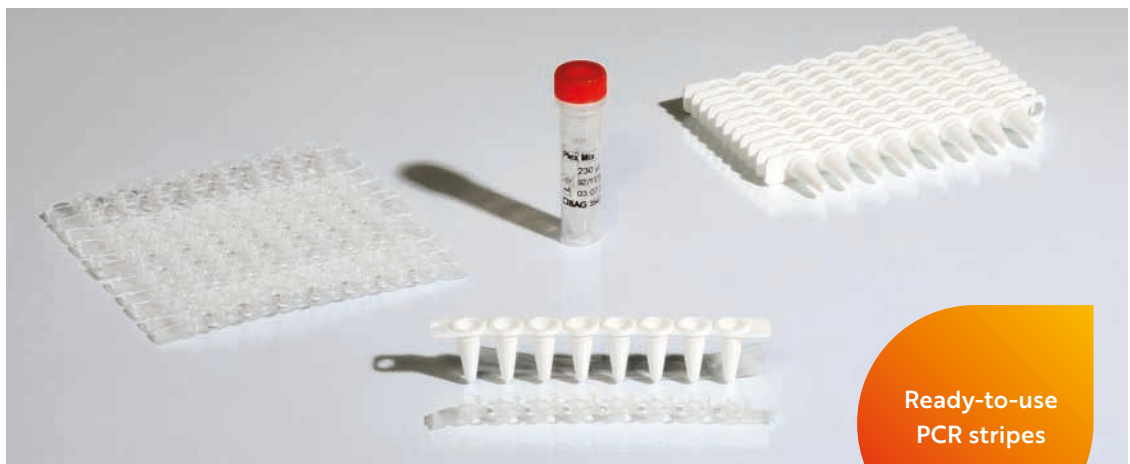
- Colour compensation available

Applied Biosystems® QuantStudio™ 6 Flex

- Colour calibration available

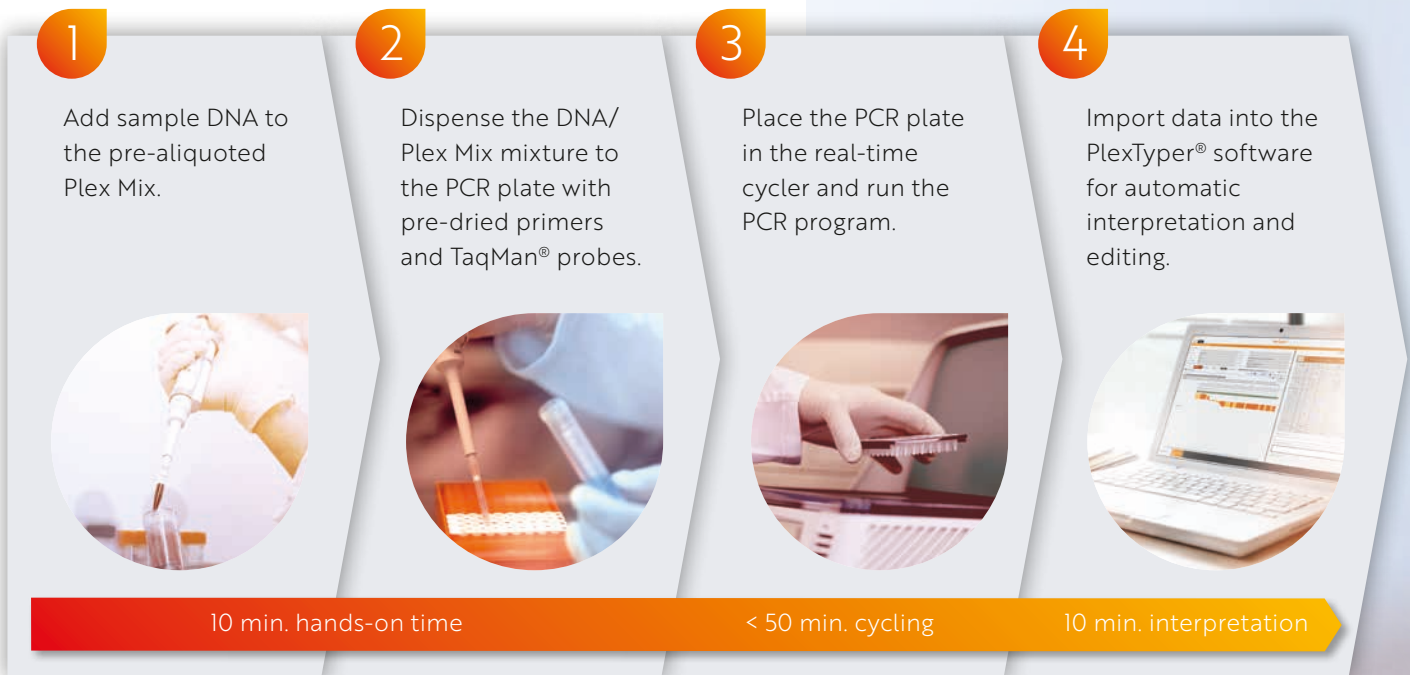
KIT CONTENTS

- PCR strips with pre-dropped primers and probes
- Plex Mix with PCR buffer and Taq Polymerase
- PCR caps



Ready-to-use PCR strips

WORKFLOW



| PRODUCTS | ALLELES | PACKAGE | REF |
|--|--|---------|--------|
| Red Blood Cell Typing | | | |
| ERY Q® ABO | ABO typing | 12 | 728406 |
| ERY Q® ABO variant | ABO typing including rare variants | 12 | 728409 |
| ERY Q® RH | RHD/RHCE typing (C, Cw, c, D, DEL, E, e) | 12 | 728405 |
| ERY Q® Weak D | weak D type 1, 1.1, 2, 3, 4.0/4.1, 4.2, 4.3, 5, 11, 14, 15, 17, 20, 31, 38, K409K, IVS3+IG>A | 12 | 728401 |
| ERY Q® Partial D | rare RHD variants (partial D) | 12 | 728403 |
| ERY Q® KKD / MNS | K/k, Jk, FY, MNS | 12 | 728407 |
| ERY Q® Rare | Kp, Js, Di, Wr, Lu, Do, Co, Yt, Vel, Kn | 12 | 728408 |
| Granulocyte and Platelet Typing | | | |
| ERY Q® HNA | 1 a/b/c, 3 a/a var./b, 4 a/b, 5 a/b | 12 | 728404 |
| ERY Q® HPA | HPA 1, 2, 3, 4, 5, 6, 9, 15 (a/b) | 12 | 728402 |

YOUR BENEFITS

One run fits all

All kits can be combined in one run

Easy to analyze

**Unique quality score and
automated interpretation**

Be safe

Compelling implementation and support

Feel confident with the results

User-friendly interpretation software



Europäische Union:

Investition in Ihre Zukunft
Europäischer Fonds für
regionale Entwicklung

WE LIVE TO EXCITE

EXCELLENCE, PARTNERSHIP and **PASSION** have always been the basis of our actions. Moreover, since 1947 our wish to inspire you by understanding your needs has been absolutely central – and therefore, we only develop diagnostics with added value and significance. We combine decades of experience and a deeply rooted exploratory urge for the development of our innovative products.

Thanks to our independence and global orientation, we can conduct targeted research for the development of top performance products and services in the areas of **TRANSPLANTATION, TRANSFUSION, HUMAN GENETICS** and **INFECTIOUS DISEASES.**

Our motivation is to exceed the expectations of our customers and partners. That is why we support you with exceptional service and new ways of thinking – competently, quickly and precisely.

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