



FluoGene

THE FLUORESCENCE PCR

CE marked automation for molecular HLA-, HPA- and RBC-Typing

Ready Gene

SuBiTo

FluoGene

Software

PCR & Electrophoresis

Ready Plate

DNA-Extraction

Life Science

TECHNIQUE

FluoGene is a unique method for molecular HLA-, RBC- and HPA typing combining all advantages of the SSP-PCR with the speed of endpoint fluorescence detection. The analysis is based on a specifically modified TaqMan probe system by inno-train.

Up to four fluorophores are detected by the **FluoVista** analyzer and an integrated evaluation is realized by the **FluoGene** software. Plate-specific data can be easily read from the barcoded **FluoGene** PCR plate and sample-ID can be scanned and automatically transferred into the **FluoGene** Software. A fully automated workflow can be realized by the use of our small pipetting unit **PiU1**. Just scan the barcode of the FluoGene PCR plate for an automated protocol selection („Scan & Go“).

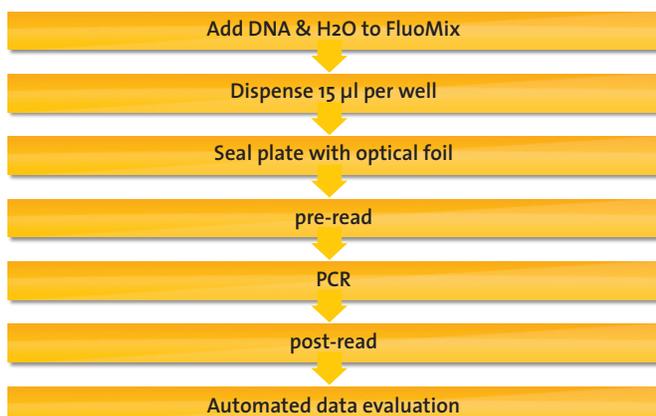
FluoGene is a self-contained system comprising the ready-to-use kits, the detection device and the software solution displaying the typing results immediately after the evaluation read. For the PCR set-up simply add your diluted sample DNA to the ready-to-use FluoMix and dispense 15 µl per well over the PCR plate. This manual step can be performed automated by the pipetting unit **PiU1**. Afterwards the **FluoGene** plates are sealed with an adhesive optical foil. The subsequent pre- and post-reads are generated in a closed environment. Therefore any risk of a post-PCR contamination gets eliminated.

The **FluoGene** Software supplies the immediate display of typing results, as well as a fully-automated data management.

ADVANTAGES OF THE FluoGene SYSTEM

- from DNA to typing in 90 minutes
- TaqMan method without gel electrophoresis
- no hybridization and washing steps
- display of typing results immediately after the post-read
- no risk of post-PCR contaminations
- low DNA consumption, i.e. 780 ng per HLA-ABDR typing
- user-friendly software solution, fully-automated calculation of results
- automated selection of kit and lot number via barcode
- same system for HLA-, RBC- and HPA
- CE marked for IvD use

WORKFLOW



KIT COMPONENTS



- 96 well FluoGene plates with dried primer probe mixes
- Ready-to-use FluoMix (Taq, dNTPs and buffer)
- Optical foils for sealing the PCR plates

VARIABLE DEGREE OF AUTOMATION

The **FluoGene** System can be easily upgraded in its degree of automation. In the minimal configuration our economically-priced **FluoVista** Analyzer is needed for the fluorescence detection in addition to a standard thermal cycler.

A higher grade of automation is offered by our novel pipetting unit **PiU1** performing an automated PCR set-

up. By scanning the barcode on the FluoGene plates the pipetting profile, as well as the kit and lot number are selected („Scan and Go“). The PCR set-up data is imported directly into the FluoGene Software. With a footprint of only 29 cm x 40 cm the pipetting unit needs less space than a conventional workplace.

For further information please contact us directly.

FluoVista



PiU1

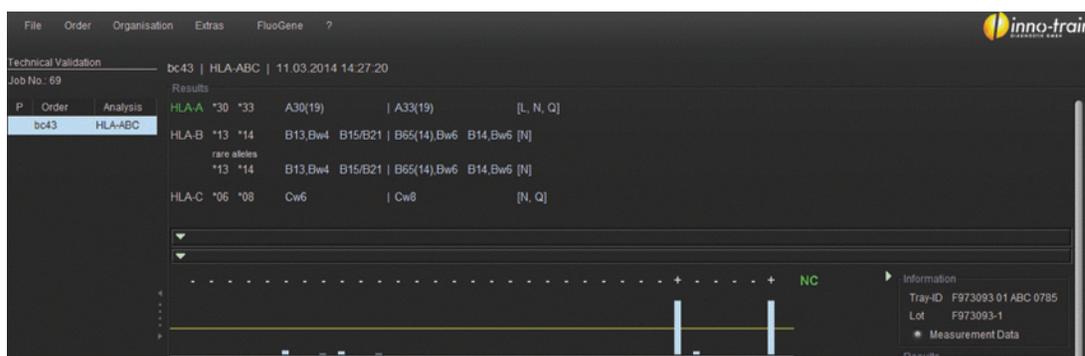


EASY EVALUATION BY OUR SMART SOFTWARE SOLUTION

The supplied **FluoGene** software automatically combines raw data from pre- and post-read and immediately performs the evaluation of typing results. Positive reactions are clearly displayed with a (+), while negative reactions are shown with a (-). The measured values for the specific and control reaction as well as the corresponding cut-off values can be seen by clicking on the bars in the graphical data display.

Further functions are the display of the serological equivalents and the discrimination between CWD and rare alleles.

The **FluoGene** Software has its own database, saves or exports the results with the corresponding sample information and enables a GMP conform report with a technical and a following medical validation.



SYSTEMS AND ACCESSORIES

ARTICLE NO.	ARTICLE
006 010 000	FluoVista System FluoVista Analyzer incl. computer system, software package and barcode reader
006 010 005	FluoGene Calibration System , sufficient for 10 calibrations
002 07K F10	Optical Foils , 10 foils for sealing FluoGene plates
002 07F A01	FluoApp , applicator for pressing the optical foil against the FluoGene plate
002 07C P01	FluoPad , compression pad for PCR
007 010 000	PiU1 - The Pipetting Unit Liquid Handling System incl. computer system, software and tip box



Niederhöchstädter Straße 62
D-61476 Kronberg/Taunus Germany

Tel. +49 (0)6173- 6079- 30
Fax: +49 (0)6173- 6079-50

E-mail: info@inno-train.de
Web: www.inno-train.de