

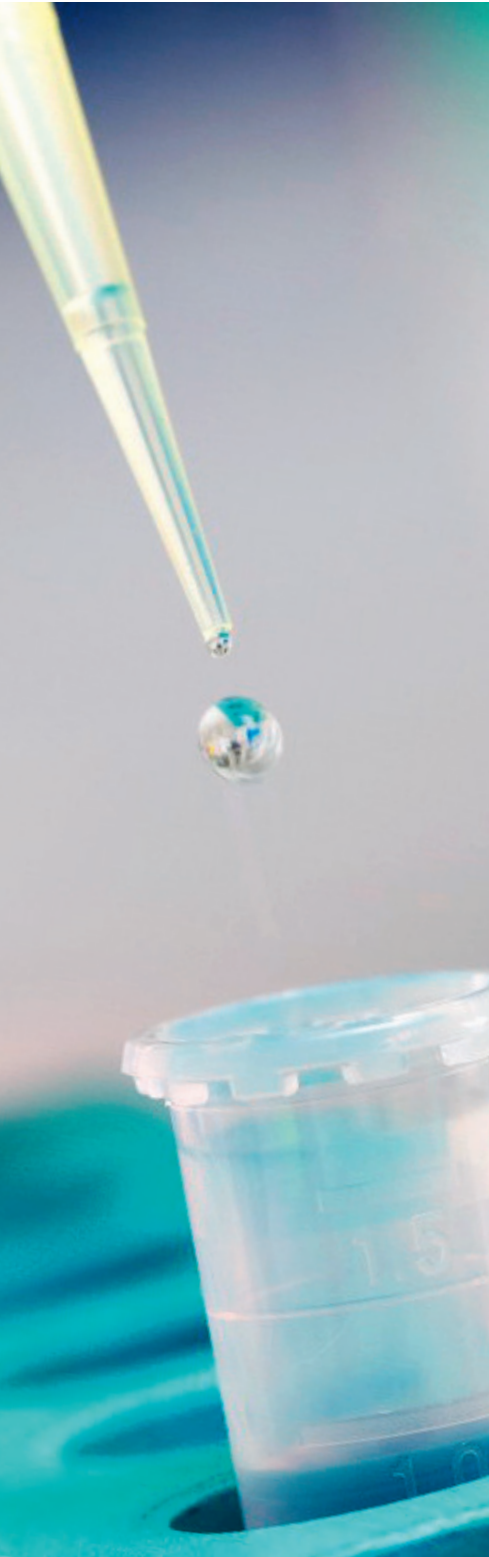


**HISTO SPOT<sup>®</sup>** SSO System

The most convenient automated HLA typing system

# HISTO SPOT<sup>®</sup> SSO System

for on call, high throughput and disease association typing



## The all-in-one solution

The HISTO SPOT<sup>®</sup> SSO system is the fast, safe and most convenient method for HLA typing. The combination of HISTO SPOT<sup>®</sup> kits, MR.SPOT<sup>®</sup> processor and HISTO MATCH software represents the most automated HLA typing system available.

Due to its simple and automated procedure the HISTO SPOT<sup>®</sup> SSO system ensures reliable results with minimal hands-on-time. Its flexibility and speed make the system the ideal solution for on call, high throughput as well as disease association typing.

As a BAG customer you do not only profit from our innovative products, but also from our extraordinary service. BAG is on your side and always happy to help you with your technical enquiries.

## YOUR ADVANTAGES

### Fast

3 hours from sample to result

### Simple

fully automated, user friendly software

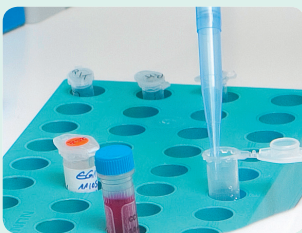
### Flexible

1-96 tests of any locus per run



## The way it works

1



**Locus specific amplification with biotinylated primers**

- Standard PCR

Thermocycler

2



**Hybridisation of the amplicon to the SSO probes**

- Up to 225 probes are bound to the bottom of a microwell plate

MR.SPOT® processor

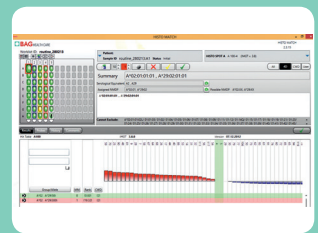
3



**Colourimetric reaction to detect positive probes with bound amplicon**

- There is one test per well

4



**The resulting pattern of positive probes is interpreted as an HLA genotype**

- Results are reviewed and edited

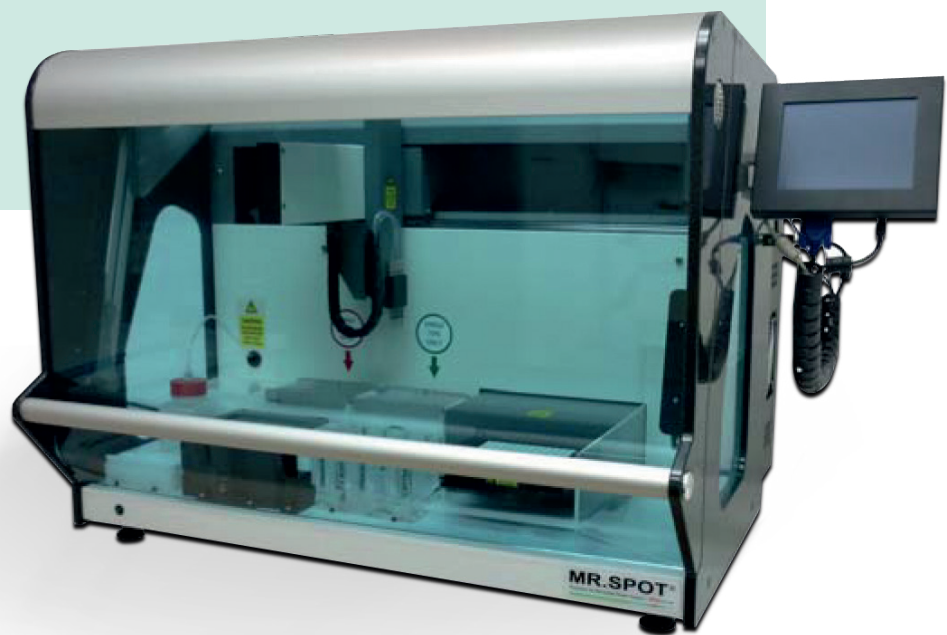
HISTO MATCH software

# MR.SPOT<sup>®</sup> Processor and HISTO MATCH Software automation at your service

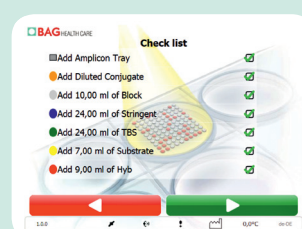
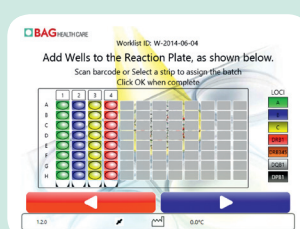
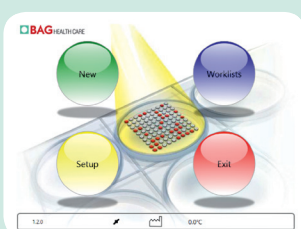
## MR.SPOT<sup>®</sup> makes your life easier

**The standardised and automated process guarantees high precision and fast results**

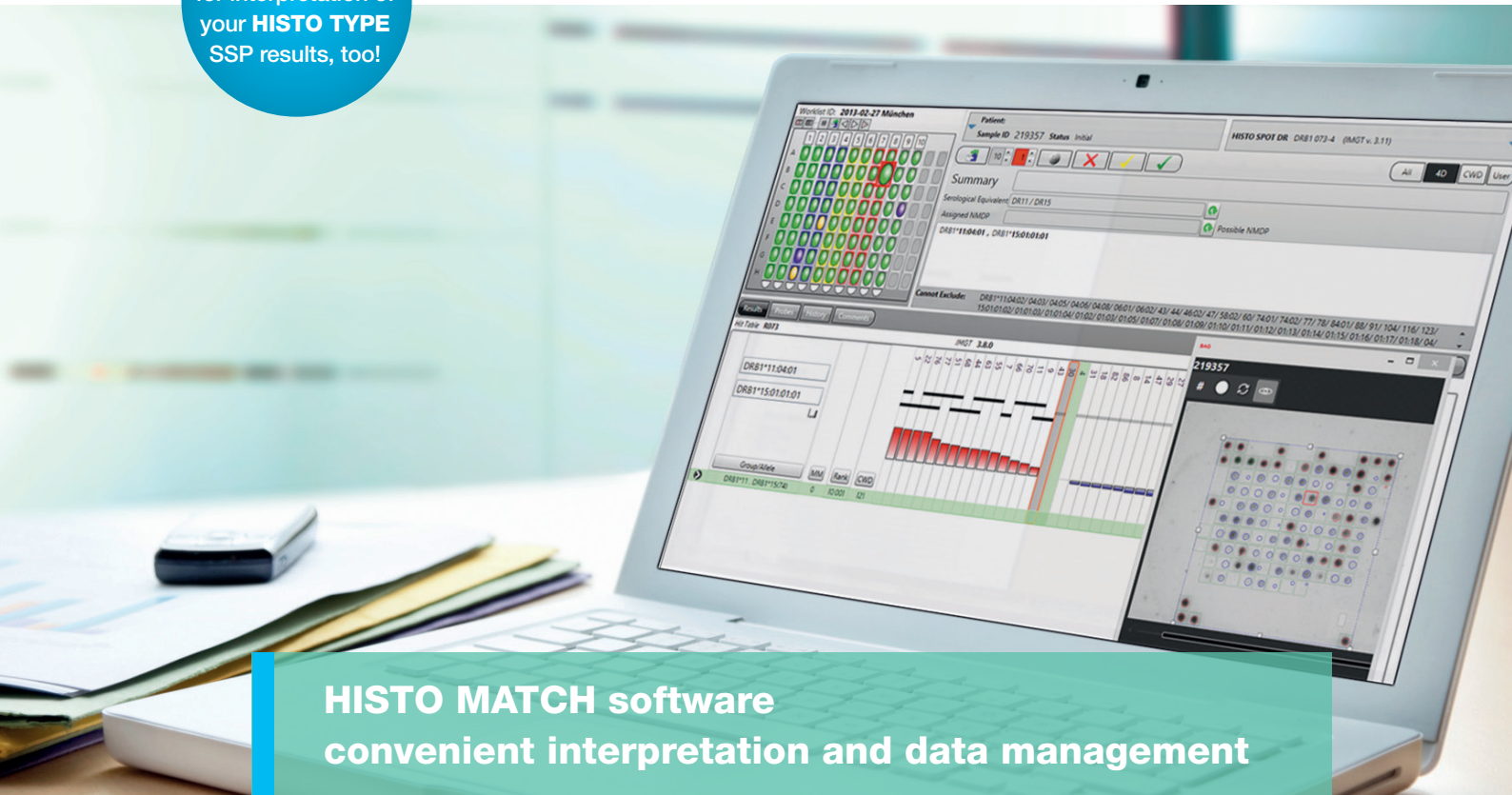
The MR.SPOT<sup>®</sup> processor runs the whole assay from amplicon to result. Due to fully automated washing and pipetting, the plug and play instrument makes handling very easy. Moreover, MR.SPOT<sup>®</sup> automatically records the results by an integrated camera and transfers the image to the HISTO MATCH software for convenient interpretation.



**EASY HANDLING**  
thanks to  
step by step  
instructions



Use  
**HISTO MATCH**  
for interpretation of  
your **HISTO TYPE**  
SSP results, too!



## HISTO MATCH software convenient interpretation and data management

**The user friendly HISTO MATCH software is the central workstation of the HISTO SPOT® system**

- Convenient management of all relevant data regarding patients, samples, worklists, kits, users and processors in a Microsoft SQL Server database
- Efficient workflow management and tracking of samples and results
- Intuitive interpretation tools for reviewing and editing results
- Customised typing reports
- Network installations including the MR.SPOT® processor and several workplaces based on Microsoft SQL Server
- Integration in LIM systems with customised interfaces, including Helmborg SCORE software
- HISTO MATCH is available in different languages (e.g. English, French, Italian, Spanish, German, Russian)

# HISTO SPOT<sup>®</sup> SSO Kits

## for molecular genetic HLA typing

### HISTO SPOT<sup>®</sup> SSO kits

#### LOCUS SPECIFIC TYPING KITS

Typing kits for the locus specific amplification and determination of the HLA type with sequence specific probes

- Contains ready to use mastermix (incl. Taq polymerase), magnesium chloride and testwells with immobilized SSO probes
- Mastermix and testwells are colour coded specific for the HLA locus to avoid handling errors
- Storage at 4 - 8°C

#### REAGENT KIT

Ready to use reagents for the hybridisation and detection of amplicons in the MR.SPOT<sup>®</sup> processor

- For use in combination with the typing kits
- Colour coding of the reagents for guidance during setup of the test
- Storage at 4 - 8°C

### Special application kits

#### HISTO SPOT ON-CALL TYPING KIT

Combined test strip for typing of HLA-A, B, C, DRB1, DRB3/4/5, DQB1, DQA1 and DPB1

- Contains ready to use pre-dried primers, PCR buffer and test strips
- Simplified on-call workflow in the HISTO MATCH software

#### HISTO SPOT COELIAC DISEASE KIT

For automated typing of coeliac disease associated HLA alleles

- Ready to use reagents for detection of the DQ2/DQ8 haplotype
- Risk assignment for coeliac disease typing in HISTO MATCH

Product	REF	Package
<b>HLA-class I kits</b>		
HISTO SPOT® A 4D	726010	96 tests
HISTO SPOT® B 4D	726020	96 tests
HISTO SPOT® C 4D	726030	96 tests
<b>HLA-class II kits</b>		
HISTO SPOT® DRB1 4D	726040	96 tests
HISTO SPOT® DRB3/4/5	726045	24 tests
HISTO SPOT® DQB1 4D/DQA1	726051	96 tests
HISTO SPOT® DPB1	726060 726061	96 tests 24 tests
<b>Special application kits</b>		
HISTO SPOT® Coeliac Disease	726071	48 tests
HISTO SPOT® On-Call Typing Kit	726070	10 tests
<b>Device</b>		
MR.SPOT® Processor	726100	1
<b>Accessories</b>		
HISTO MATCH Software	726102	1

Fully automated SSO assay with MR.SPOT®

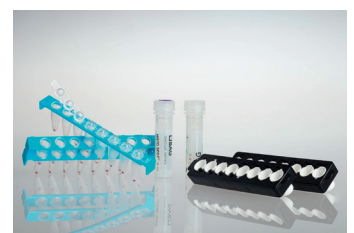
LOCUS SPECIFIC TYPING KIT



REAGENT KIT



ON-CALL TYPING KIT



## We are the experts for HLA and blood group diagnostics

With **more than 30 years of experience** BAG Health Care 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.**