



Well established and robust –
The classical SSP method for HLA and KIR typing

HISTO TYPE SSP Kits

HISTO TYPE SSP diagnostics

Highly standardised HLA typing



Reliable SSP typing with validated Happy Taq Polymerase

HISTO TYPE SSP is a fast and well established HLA typing method for smaller numbers of samples and confirmatory tests

Thanks to **CE** certified and validated Taq Polymerase HISTO TYPE SSP is a standardised solution and easy to use and robust method for a lot of applications. Moreover, our HISTO TYPE SSP kits offer good value for money, because Taq Polymerase is included free of charge. BAG offers kits for the HLA class I and class II genes as well as specific tests for disease associations and pharmacogenomics.

Your advantages

Easy

one simple protocol for all loci and easy interpretation with HISTO MATCH software

Robust

to variations in DNA concentration

Safe

validated Taq Polymerase included



HISTO MATCH software convenient interpretation and data management

The user friendly HISTO MATCH software is the ideal tool for data management and interpretation of your results

- Convenient entry of results in virtual gels and easy interpretation
- Includes risk assessment for coeliac disease associated alleles
- HISTO TYPE SSP and HISTO SPOT SSO results can be combined
- Customised typing reports
- HISTO MATCH is available in different languages (e.g. English, French, Italian, Spanish, German, Russian)
- Integration in LIM systems with customised interfaces

SSP typing kits for special applications

Disease associations and pharmacogenomics

BAG offers streamlined SSP solutions for special clinical applications associated with HLA alleles. Customised kits for other applications are available on request.

Coeliac disease

- Coeliac disease is an autoimmune reaction triggered by gluten which might lead to chronic inflammation and destruction of the small intestine if not diagnosed early
- Coeliac disease is strongly associated with the DQA1*05:01-DQB1*02:01 and DQA1*03-DQB1*03:02 haplotype
- Additionally, DRB1*03, DRB1*07 and DRB1*11 alleles can be used as genetic markers

Morbus Bechterew et al.

- Seronegative arthritic diseases like Morbus Bechterew, Morbus Reiter and post infectious reactive arthritis are strongly associated with HLA B*27
- Determination of the presence of HLA B*27 is a valuable tool in the diagnosis of these diseases

Narcolepsy

- Narcolepsy is a sleep disorder with symptoms like excessive daytime somnolence, sleep paralysis or hallucinations
- 98 % of the Caucasian narcolepsy patients carry the DRB1*15:01-DQA1*01:02-DQB1*06:02 haplotype

Abacavir

- Some patients develop a hypersensitivity reaction against the antiretroviral drug abacavir which is used e.g. for HIV therapy
- This hypersensitivity is associated with the allele HLA B*57:01

KIR TYPE and EPITOP TYPE for determination of KIR genotypes and ligands

KIR typing is used as complimentary diagnostic before bone marrow transplantations and for immunogenetic studies

- HLA/KIR disparity influences the success of transplantations
- There are associations between KIR genotypes and autoimmune diseases like psoriasis and a slower progression of the AIDS disease
- The KIR TYPE kit enables genotyping of 14 KIR genes and 2 pseudogenes
- The EPITOP TYPE kit recognizes the alleles with the HLA specificities HLA-Cw Asn80, HLA-Cw Lys80, HLA-B Bw4Threo, HLA-B Bw4Iso and HLA-A Bw4 which function as ligands for the KIR molecules



Tailor-made accessoires for reliable results

Cost effective checks for optimal conditions

CYCLER CHECK and **Wipe Test** are tools adjusted to the **BAG SSP** kits to ensure a good quality of your results

CYCLER CHECK

- Ensures optimal conditions for your tests
- Test of the complete 96 well thermoblock for critical deviations of the denaturing temperature and the annealing temperature
- Reliable and cost effective check of the temperature precision and uniformity of your thermocycler tailored to the parameters of the BAG SSP kits
- Regular check ups and calibrations of your thermocyclers are mandatory according to EFI and ASHI guidelines

Wipe Test

- Use of the wipe test avoids false positive reactions and, therefore, ensures the quality of your results
- Reliable and fast method to check for contaminations with amplicons of HLA class I and class II genes as well as with genomic DNA in the laboratory
- Regular wipe tests are mandatory according to EFI and ASHI guidelines

Free
validated
Happy Taq

Product	REF	Package
HISTO TYPE SSP for HLA Genotyping		
HISTO TYPE A low	70721	20 tests
HISTO TYPE B low	70731	20 tests
HISTO TYPE C low	70741	20 tests
HISTO TYPE DR low	70751	20 tests
HISTO TYPE DQB low	70891	20 tests
HISTO TYPE ABC	7102	20 tests
HISTO TYPE ABDR	7098	20 tests
HISTO TYPE DR/DQB	7103	20 tests
HISTO TYPE DQB high	709010	10 tests
HISTO TYPE SSP for disease association typing		
HISTO TYPE B27 low	7070 7071	48 tests 96 tests
HISTO TYPE B*57:01 / B51	70715	20 tests
HISTO TYPE Celiac Disease	70941	20 tests
HISTO TYPE Narcolepsy	70716	20 tests
SSP test kits for KIR typing		
KIR TYPE	7105	10 tests
EPITOP TYPE	7106	10 tests
Accessories		
EXTRA GENE I Kit for extraction of genomic DNA (salting out method)	7059	50 extractions
DNA-Length Standard (ϕX174/Hae III;72-1.353bp)	7097	0,5 ml
Wipe Test Contamination Control for HLA-Class I+II	7091	40 reactions
CYCLER CHECK Kit for evaluation of temperature uniformity in thermal cyclers	7104 71044	10 tests 4 tests
HISTO MATCH Software	726102	1



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.**