

RIDA[®]PRECISION real-time PCR kits

Pharmacogenetics and human genetics





RIDA®PRECISION ABCB1

With the RIDA®PRECISION ABCB1 test you support physicians in the decision of an antidepressant treatment in order to choose the best drug in the appropriate dose for any individual patient.

Researchers at the Max Planck Institute of Psychiatry in Munich have identified DNA sequence variations in the ABCB1 genetic code that influence the function of the blood-brain barrier.

The test result advises the doctor which antidepressants should be administered at which dose.

The ABCB1 test was developed jointly by HMNC Brain Health and the Max Planck Institute of Psychiatry. It was validated in numerous scientific studies including a meta-analysis.

For more information, visit: www.abcb1-test.de

Advantages of the RIDA®PRECISION ABCB1 test for laboratories

Psychiatric laboratory diagnostics	The ABCB1 test turns laboratory diagnostics for the first time into an important element of depression treatment.
Personalized medicine	ABCB1 diagnostics can be used to adjust the treatment with antidepressants to a patient's individual ABCB1 genotype.
Faster treatment success	The ABCB1 test makes it easier to predict which antidepressants are most suitable for an individual patient. Treatment success will occur faster.
Higher remission rates	Patients that are tested using the ABCB1 test and treated accordingly have higher remission rates than patients who were not tested. Achieving full remission is the best prerequisite for a reduced risk of relapse.
Fewer side effects	By recommending suitable antidepressants, you can help prevent adverse side effects.



Human genetics – fast results

The RIDA®PRECISION real-time PCR tests for human genetic diagnostics

- combine real-time PCR detection and multiplex PCR for identifying DNA polymorphisms
- deliver fast analysis with a ready to use oligonucleotide mix using fluorescence labeled hydrolysis probes, amplification mix and internal controls

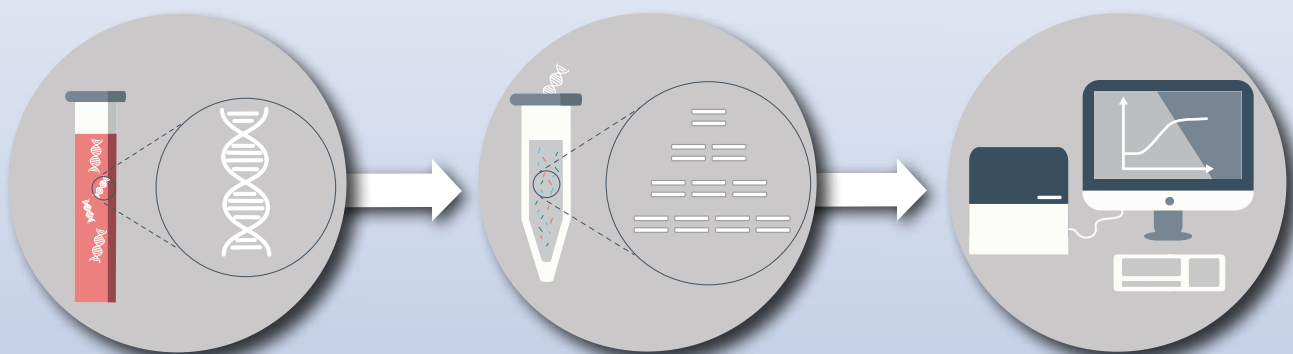


Highly precise human genetic diagnostics

The RIDA®PRECISION real-time PCR products allow the detection of predispositions for various hereditary diseases:

HLA-B27	<ul style="list-style-type: none"> • Detection of the HLA-B27 alleles*
Thrombophilia	<ul style="list-style-type: none"> • Factor II mutation (prothrombin) • Factor V Leiden mutation • Methylene tetrahydrofolate reductase (MTHFR)
Food intolerance	<ul style="list-style-type: none"> • Hereditary fructose intolerance • Hereditary lactose intolerance
Hereditary hemochromatosis	<ul style="list-style-type: none"> • Detection of mutations associated with hereditary hemochromatosis

User friendly workflow



Nucleic acid isolation

Genomic DNA is isolated from whole blood.

Multiplex PCR

Real-time multiplex PCR uses fluorescence labeled hydrolysis probes, requiring only a short time for analysis.

Data collection

RIDA®SEEK** software allows direct analysis of the PCR amplification with a detailed interpretation of the findings.

* no tissue typing
** in the validation phase



RIDA®PRECISION real-time PCR tests at a glance

Sample material	<ul style="list-style-type: none"> • EDTA whole blood • EDTA capillary blood (only for RIDA® PRECISION ABCB1)
Technology	<ul style="list-style-type: none"> • Real-time PCR
Analysis systems	<ul style="list-style-type: none"> • LightCycler® 480 instruments (Roche) • Mx3005P qPCR System (Agilent Technologies) • CFX96™ Real-Time Detection PCR System (Bio-Rad)
Label	<ul style="list-style-type: none"> • CE-IVD
Evaluation	<ul style="list-style-type: none"> • RIDA®SEEK** software

Pharmacogenetics

Product	Description	No. of tests	Art. No.
Real-time PCR	Target region		
RIDA®PRECISION ABCB1	Qualitative detection of ABCB1 gene polymorphisms, rs2032583 and rs2235015	50	Y5500

Human genetics – product portfolio Available soon

Product	Description	No. of tests	Art. No.
Real-time PCR	Target region		
RIDA®PRECISION HLA-B27	Detection of HLA-B27 alleles*	100	Y5505
RIDA®PRECISION Factor II	Qualitative detection of the point mutation G20210A	100	Y5520
RIDA®PRECISION Factor V	Qualitative detection of the point mutation G1691A (Leiden)	100	Y5525
RIDA®PRECISION Factor II & V	Qualitative detection of the point mutations G1691A (Leiden) and G20210A	100	Y5530
RIDA®PRECISION MTHFR	Qualitative detection of the point mutations C677T and A1298C	100	Y5535
RIDA®PRECISION Fruc Intol	Qualitative detection of the mutations A149P, A174D and N334K	100	Y5560
RIDA®PRECISION Lac Intol	Qualitative detection of the point mutations G22018A and C13910T	100	Y5565
RIDA®PRECISION Hemochrom	Qualitative detection of the mutations C282Y, H63D and S65C	100	Y5580

* no tissue typing

** in the validation phase

For further details and information visit our website www.companion-diagnostics.com

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