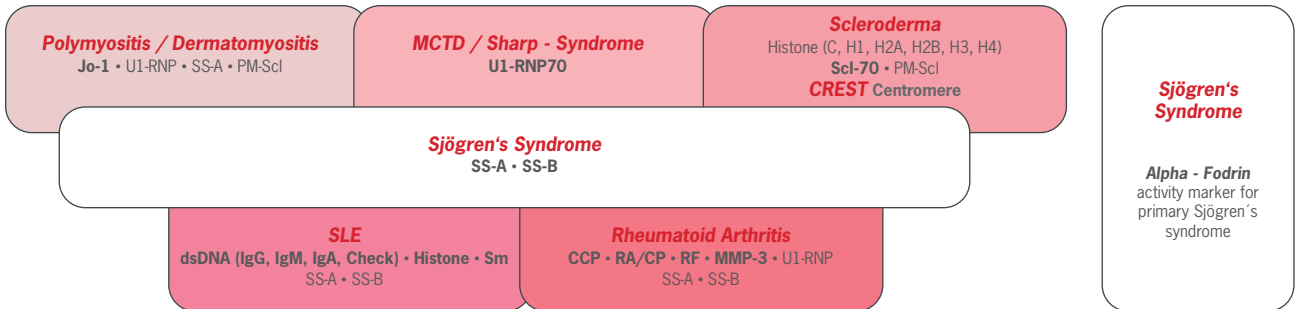


RHEUMATOLOGY PRODUCT HIGHLIGHTS

AESKU® Rheumatology line offers a complete panel of routine and research usage kits, including 42 different parameters developed to help laboratories solve the puzzle of autoimmune diseases. All available kits share the “ONE” AESKU® CONCEPT, enabling easy automation and for them to be run in parallel, for a faster differential diagnosis in connective tissue diseases.

Antibodies in overlap syndromes



ANA testing and the AESKULISA® ANA-HEp-2 screening

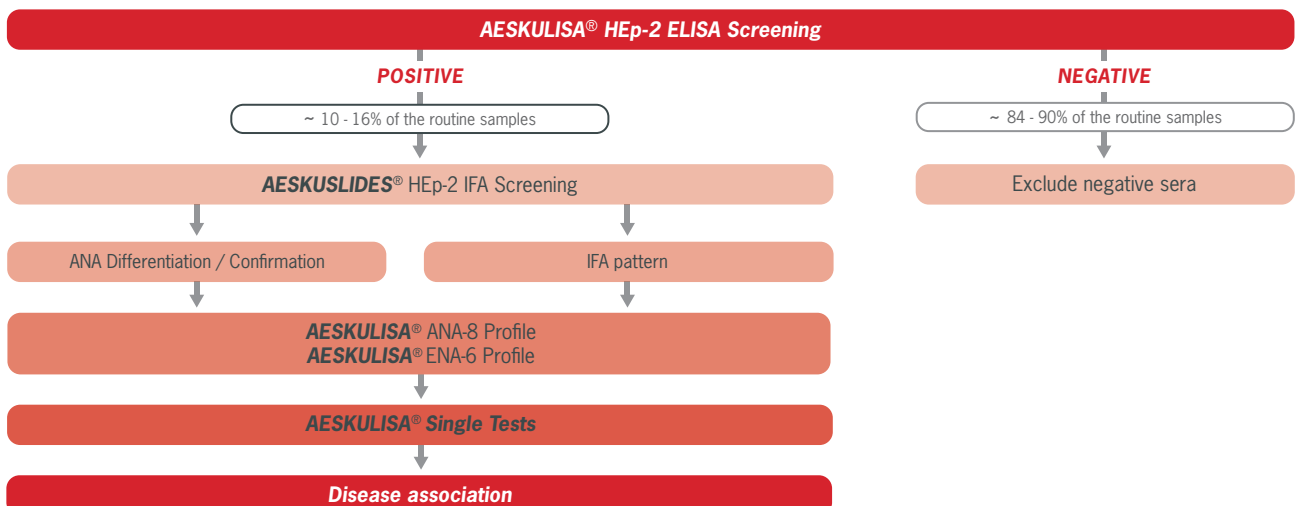
The immunofluorescence assay (IFA) is a well established laboratory method, considered to be the gold standard for ANA testing, in the diagnosis of connective tissue diseases.

Despite this, the aging population and the increasing demand of ANA testing, together with the importance of the reader agreement and reliability of the IFA method, are changing the course of ANA screening. Laboratories with heavy and complex workloads have a need to use automatable and standardized ELISA methods, which can be used as a first screening to exclude all negative samples.

The selection of the first ELISA kit to be used on the ANA screening is of paramount importance to lab since it is a fundamental requirement of a screening kit to not miss any patient. Therefore, the “ideal” ELISA screening should be highly sensitive to detect as many of the IFA positives as possible and have a reasonable specificity to exclude as many of the ANA negative population as possible and avoid unnecessary and expensive follow up testing.

Such type of “ideal” ANA screening kits are only possible to achieve when HEp-2 cell extracts are used in the coating process, since assays without these extracts will be significantly less sensitive and specific as relevant antigens will be missing. The **AESKULISA® ANA HEp-2** is an “ideal” ANA screening kit which is produced using HEp-2 cell extracts additionally spiked with the following recombinant antigens: SS-A-52, CenpB, SSA-60, PM-Scl, SS-B, Jo-1, Sm and Scl-70.

The inclusion of these spiked antigens together with the nucleolar and HEp-2 cell extracts significantly increases the sensitivity to detect ANA positive sera (including those with unknown specificity).



RHEUMATOLOGY PRODUCT HIGHLIGHTS

New AESKULISA® MMP-3 (Matrix-Metalloproteinase-3) as an activity and early prognostic marker for the development of bone erosions in rheumatoid arthritis

An early diagnosis and prognosis of rheumatoid arthritis (RA) disease is mandatory for therapeutic success because only in the early phase joint destruction can be reduced significantly or even prevented by appropriate drug therapy.

Nevertheless, RA diagnosis and treatment are quite challenging tasks:

- Activity and outcome scores like DAS, DAS28, SDAI, CDAI, Larsen Score, etc. are time consuming and are not practical in the early phase.
- There are no validated or accepted uniform criteria to classify individuals with early RA, in terms of disease progression and severity.
- CCP has been added to the 2010 ACR criteria for diagnostic purposes but its usefulness as a marker for disease activity and progression is still under discussion.
- Not all patients with early disease are candidates for DMARD or biological therapy mainly due to toxicity reasons. Aggressive therapy is recommended only for those who are at risk of rapid joint destruction.

Therefore, there is a need for prognostic markers that can predict the risk for development of bone erosions in RA and help make therapeutic decisions.

How is MMP-3 linked with RA?

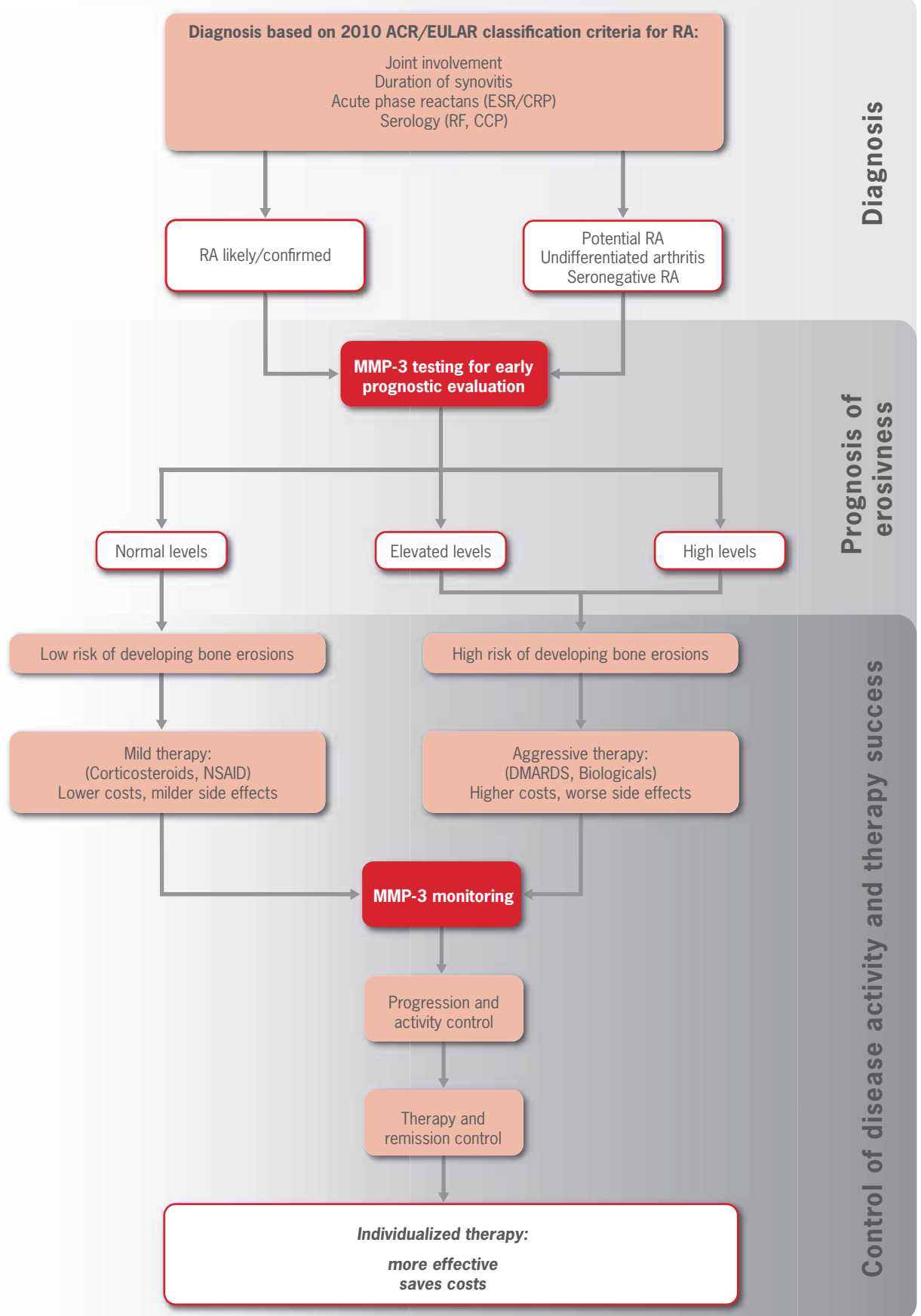
- MMP-3 is directly involved in cartilage and bone degradation in RA.
- The synovial fluid from RA patients contains a large amount of MMP-3.
- Serum levels of RA patients are also strongly elevated and correlate with the amount of MMP-3 in the synovial fluid.
- MMP-3 has been shown to predict bone erosions in early RA patients 6 to 12 months in advance.

Why is MMP-3 a new useful marker in the prognosis and therapy management of RA?

- It helps predicting bone erosions in the early phase of the disease.
- It helps monitoring disease activity since it offers a faster and cheaper option to the assessment of clinical activity than using activity scores like DAS, DAS28, SDAI or CDAI.
- It helps discriminating patients that benefit from aggressive intervention/therapy.
- It helps saving valuable time and costs, since patients can receive the appropriate therapy in an early disease progression stage.

RHEUMATOLOGY PRODUCT HIGHLIGHTS

Suggested Approach to Rheumatoid Arthritis Disease Diagnosis and Prognosis



A definite clinical diagnosis should not be based on the results of the performed tests alone, but should be made by the physician after all clinical and laboratory findings have been evaluated. The diagnosis is to be verified using different diagnostic methods.

RHEUMATOLOGY

REF 3115



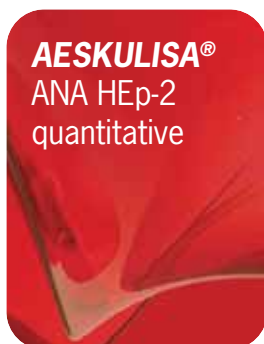
AESKULISA®
ANA HEp-2

Conjugate:
anti-human IgG-HRP
Cut-off:
cut-off calibrator
Kit Configuration:
Single-G

Antigens coated:
Lysed HEp-2 cells, spiked with recombinant antigens

Enzyme-linked immunoassay (ELISA) for the qualitative determination of IgG autoantibodies against HEp-2 cell antigens in human serum

REF 3119



AESKULISA®
ANA HEp-2
quantitative

Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Lysed HEp-2 cells, spiked with recombinant antigens

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies against HEp-2 cell antigens in human serum

REF 3100



AESKULISA®
ANA-8S

Conjugate:
anti-human IgG-HRP
Cut-off:
cut-off calibrator
Kit Configuration:
Screening-G

Antigens coated:
Recombinant human U1-snRNP 70 kDa, SS-B, Scl-70, Cenp-B, Jo-1, native human snRNP complex (snRNP/Sm) Sm and human recombinant 52 kDa SS-A / native 60 kDa SS-A

Enzyme-linked immunoassay (ELISA) for the combined qualitative determination of IgG autoantibodies to 8 different nuclear antigens (SCREENING) in human serum

REF 3101



AESKULISA®
ANA-8Pro

Conjugate:
anti-human IgG-HRP
Cut-off:
cut-off calibrator
Kit Configuration:
Profile-G

Antigens coated:
Recombinant human U1-snRNP 70 kDa, SS-B, Scl-70, Cenp-B, Jo-1, native human snRNP complex (snRNP/Sm), Sm and human recombinant 52 kDa SS-A / native 60 kDa SS-A

Enzyme-linked immunoassay (ELISA) for the separate qualitative determination of IgG autoantibodies to 8 different nuclear antigens (PROFILE) in human serum

REF 3102



AESKULISA®
ENA-6S

Conjugate:
anti-human IgG-HRP
Cut-off:
cut-off calibrator
Kit Configuration:
Screening-G

Antigens coated:
Recombinant human SS-B, Scl-70, Jo-1, native human snRNP-complex (snRNP/Sm), Sm and human recombinant 52 kDa SS-A / native 60 kDa SS-A

Enzyme-linked immunoassay (ELISA) for the combined qualitative determination of IgG autoantibodies to 6 different nuclear antigens (SCREENING) in human serum

RHEUMATOLOGY

REF 3103



Conjugate:
anti-human IgG-HRP

Equivocal Zone:
12 - 18 U/ml

Standard Range:
0 - 100 U/ml

Kit Configuration:
Profile-G

Antigens coated:
Recombinant human SS-B, Scl-70, Jo-1, native human snRNP-complex (snRNP/Sm), Sm and human recombinant 52 kDa SS-A / native 60 kDa SS-A

Enzyme-linked immunoassay (ELISA) for the separate semiquantitative or qualitative determination of IgG autoantibodies to 6 different nuclear antigens (PROFILE) in human serum

REF 3116



Conjugate:
anti-human IgG-HRP

Cut-off:
antigen specific

Kit Configuration:
Profile-G

Antigens coated:
Recombinant human doublestranded DNA (dsDNA), U1-snRNP 70 kDa, SS-B, Scl-70, Cenp-B, Jo-1, native human Sm and human recombinant 52 kDa SS-A / native 60 kDa SS-A

Enzyme-linked immunoassay (ELISA) for the separate qualitative determination of IgG autoantibodies to 8 different nuclear antigens (PROFILE) in human serum

REF 3121



Conjugate:
anti-human IgG-HRP

Cut-off:
cut-off calibrator

Kit Configuration:
Profile-G

Antigens coated:
Recombinant human PM-Scl, U1-snRNP 70 kDa, SS-B, Scl-70, Cenp-B, Jo-1 and native human Sm and human recombinant 52 kDa SS-A / native 60 kDa SS-A

Enzyme-linked immunoassay (ELISA) for the separate qualitative determination of IgG autoantibodies to 8 different nuclear antigens (PROFILE) in human serum

REF 3104



Conjugate:
anti-human IgG-HRP

Equivocal Zone:
12 - 18 U/ml

Standard Range:
0 - 300 U/ml

Kit Configuration:
Single-G

Antigens coated:
Recombinant human U1-snRNP 70 kDa

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to the 70 kDa U1-snRNP protein in human serum

REF 3105



Conjugate:
anti-human IgG-HRP

Equivocal Zone:
12 - 18 U/ml

Standard Range:
0 - 300 U/ml

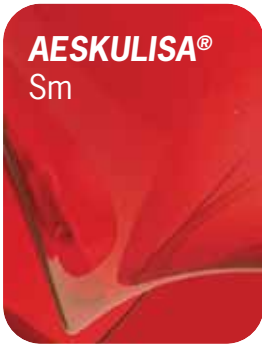
Kit Configuration:
Single-G

Antigens coated:
Native human snRNP-complex (snRNP/Sm)

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to the snRNP-complex (snRNP/Sm) in human serum

RHEUMATOLOGY

REF 3106



AESKULISA®
Sm

Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Native human Sm proteins

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to Sm proteins in human serum

REF 3107



AESKULISA®
SS-A

Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Recombinant human 52 kDa SS-A protein and human native 60 kDa SS-A protein

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to the SS-A 60/52 kDa proteins (Ro) in human serum

REF 3108



AESKULISA®
SS-A-60

Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Human native 60 kDa SS-A protein

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to the 60 kDa SS-A protein (Ro) in human serum

REF 3109



AESKULISA®
SS-A-52

Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Recombinant human 52 kDa SS-A protein

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to the 52 kDa SS-A protein (Ro) in human serum

REF 3110



AESKULISA®
SS-B

Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Recombinant human SS-B protein

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to the 48 kDa SS-B protein (La) in human serum

RHEUMATOLOGY

REF 3111



AESKULISA®
Scl-70

Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Recombinant human Scl-70
protein

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to the 70 kDa fragment of human DNA-topoisomerase I (Scl-70) in human serum

REF 3112



AESKULISA®
Cenp-B

Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Recombinant human 80 kDa
Cenp-B protein

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to the 80 kDa centromere protein B (Cenp-B) in human serum

REF 3113



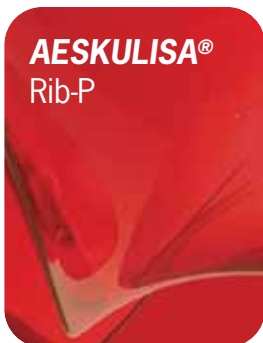
AESKULISA®
Jo-1

Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Recombinant human Jo-1
protein

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to human histidyl-tRNA synthetase (Jo-1) in human serum

REF 3114



AESKULISA®
Rib-P

Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Native human ribosomal
proteins P0, P1 and P2

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to ribosomal P proteins in human serum

REF 3117



AESKULISA®
PM-Scl

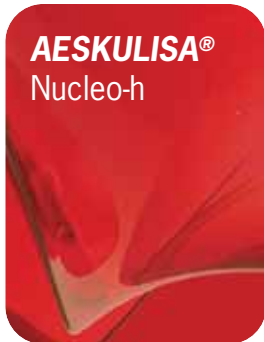
Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Recombinant human PM-Scl

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to PM-Scl in human serum

RHEUMATOLOGY

REF 3130



AESKULISA®
Nucleo-h

Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Native human nucleosomes

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to nucleosomes in human serum

REF 3140



AESKULISA®
dsDNA-Check

Conjugate:
anti-human IgA/G/M-HRP
Equivocal Zone:
16 - 24 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-Check

Antigens coated:
Recombinant human dsDNA

Enzyme-linked immunoassay (ELISA) for the combined quantitative and qualitative determination of IgA, IgG and IgM autoantibodies to double-stranded DNA (dsDNA) in human serum

REF 3141



AESKULISA®
dsDNA-A

Conjugate:
anti-human IgA-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-A

Antigens coated:
Recombinant human dsDNA

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgA autoantibodies to double-stranded DNA (dsDNA) in human serum

REF 3142



AESKULISA®
dsDNA-G

Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 IU/ml
Standard Range:
0 - 300 IU/ml
Kit Configuration:
Single-G

Antigens coated:
Recombinant human dsDNA

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to double-stranded DNA (dsDNA) in human serum

REF 3143



AESKULISA®
dsDNA-M

Conjugate:
anti-human IgM-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-M

Antigens coated:
Recombinant human dsDNA

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgM autoantibodies to double-stranded DNA (dsDNA) in human serum

RHEUMATOLOGY

REF 3144

AESKULISA®
ssDNA-Check

Conjugate:
anti-human
IgA/G/M-HRP

Equivocal Zone:
16 - 24 U/ml

Standard Range:
0 - 300 U/ml

Kit Configuration:
Single-Check

Antigens coated:
Recombinant human ssDNA

Enzyme-linked immunoassay (ELISA) for the combined quantitative and qualitative determination of IgA, IgG and IgM autoantibodies to single-stranded DNA (ssDNA) in human serum

REF 3145

AESKULISA®
ssDNA-A

Conjugate:
anti-human IgA-HRP

Equivocal Zone:
12 - 18 U/ml

Standard Range:
0 - 300 U/ml

Kit Configuration:
Single-A

Antigens coated:
Recombinant human ssDNA

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgA autoantibodies to single-stranded DNA (ssDNA) in human serum

REF 3146

AESKULISA®
ssDNA-G

Conjugate:
anti-human IgG-HRP

Equivocal Zone:
12 - 18 U/ml

Standard Range:
0 - 300 U/ml

Kit Configuration:
Single-G

Antigens coated:
Recombinant human ssDNA

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to single-stranded DNA (ssDNA) in human serum

REF 3147

AESKULISA®
ssDNA-M

Conjugate:
anti-human IgM-HRP

Equivocal Zone:
12 - 18 U/ml

Standard Range:
0 - 300 U/ml

Kit Configuration:
Single-M

Antigens coated:
Recombinant human ssDNA

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgM autoantibodies to single-stranded DNA (ssDNA) in human serum

REF 3150

AESKULISA®
Histone-C

Conjugate:
anti-human IgG-HRP

Equivocal Zone:
12 - 18 U/ml

Standard Range:
0 - 300 U/ml

Kit Configuration:
Single-G

Antigens coated:
Native human histone complex

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to the histone complex in human serum

RHEUMATOLOGY

REF 3151



AESKULISA®
Histone-H1

Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Native human histone H1

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to histone H1 in human serum

REF 3152



AESKULISA®
Histone-H2A

Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Native human histone H2A

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to histone H2A in human serum

REF 3153



AESKULISA®
Histone-H2B

Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Native human histone H2B

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to histone H2B in human serum

REF 3154



AESKULISA®
Histone-H3

Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Native human histone H3

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to histone H3 in human serum

REF 3155



AESKULISA®
Histone-H4

Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Native human histone H4

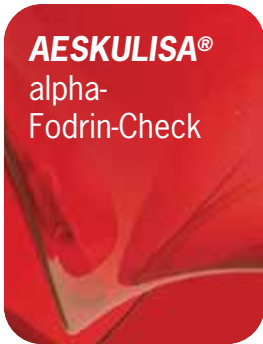
Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to histone H4 in human serum

RHEUMATOLOGY

REF 3166	 <p>AESKULISA® CCP</p>	<p>Conjugate: anti-human IgG-HRP</p> <p>Equivocal Zone: 12 - 18 U/ml</p> <p>Standard Range: 0 - 300 U/ml</p> <p>Kit Configuration: Single-G</p>	<p>Antigens coated: Specific cyclic citrullinated peptides</p>	<p>Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to specific cyclic citrullinated peptides in human serum</p>
REF 3160	 <p>AESKULISA® Rf-Check</p>	<p>Conjugate: anti-human IgA/M/G-HRP</p> <p>Equivocal Zone: 16 - 24 U/ml</p> <p>Standard Range: 0 - 300 U/ml</p> <p>Kit Configuration: Single-Check</p>	<p>Antigens coated: Fc fragments of native human immunoglobulins (IgG)</p>	<p>Enzyme-linked immunoassay (ELISA) for the combined quantitative and qualitative determination of IgA, IgG and IgM rheumatoid factors in human serum</p>
REF 3161	 <p>AESKULISA® Rf-AGM</p>	<p>Conjugate: anti-human IgA+IgG+IgM-HRP</p> <p>Equivocal Zone: 12 - 18 U/ml</p> <p>Standard Range: 0 - 300 U/ml</p> <p>Kit Configuration: Single-AGM</p>	<p>Antigens coated: Fc fragments of native human immunoglobulins (IgG)</p>	<p>Enzyme-linked immunoassay (ELISA) for the separate quantitative and qualitative determination of IgA, IgG and/or IgM rheumatoid factors in human serum</p>
REF 3165	 <p>AESKULISA® RA/CP-Detect</p>	<p>Conjugate: anti-human IgG-HRP</p> <p>Equivocal Zone: 12 - 18 U/ml</p> <p>Standard Range: 0 - 300 U/ml</p> <p>Kit Configuration: Single-G</p>	<p>Antigens coated: Synthetic citrullinated peptides</p>	<p>Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to synthetic citrullinated peptides in human serum</p>
REF 3168	 <p>AESKULISA® MMP-3</p>	<p>Conjugate: mAb anti-human MMP-3-HRP</p> <p>Standard Range: 0 - 200 ng/ml</p> <p>Kit Configuration: Single</p>	<p>Antigens coated: mAb anti-human MMP-3</p>	<p>Enzyme-linked immunoassay (ELISA) for the quantitative determination of matrix metalloproteinase-3 (MMP-3) in human serum</p>

RHEUMATOLOGY

REF 3164



Conjugate:
anti-human
IgA/G-HRP
Equivocal Zone:
16 - 24 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-Check

Antigens coated:
Recombinant human alpha-fodrin

Enzyme-linked immunoassay (ELISA) for the combined quantitative and qualitative determination of IgG and IgA autoantibodies to alpha-fodrin in human serum

REF 3162



Conjugate:
anti-human IgA-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-A

Antigens coated:
Recombinant human alpha-fodrin

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgA autoantibodies to alpha-fodrin in human serum

REF 3163



Conjugate:
anti-human IgG-HRP
Equivocal Zone:
12 - 18 U/ml
Standard Range:
0 - 300 U/ml
Kit Configuration:
Single-G

Antigens coated:
Recombinant human alpha-fodrin

Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to alpha-fodrin in human serum

AESKUBLOTS®

The **AESKUBLOTS®** test line represents a variety of different immunoblots for efficient profile testing of autoimmune and infectious diseases.

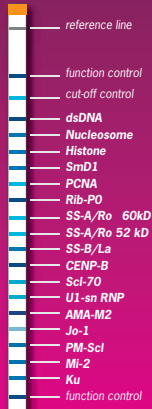
Coated with a selected panel of specific antigens on one test strip, **AESKUBLOTS®** provide a complete diagnostic overview in a single test and are suitable for screening of autoimmune diseases as well as cost-effective differential diagnosis.

For an easy automated processing the HELMED® BLOT processor can be used. For an easy semi-quantitative and automatic interpretation of AESKUBLOTS®, AESKU.SYSTEMS provides a dedicated evaluation software: AESKU.SCAN®.



REF 4001

ANA-17 Pro



AESKUBLOTS® ANA-17 Pro

24 tests/kit

Conjugate: anti-human IgG-HRP

Color-coded (orange) test strips with cut-off and positive control

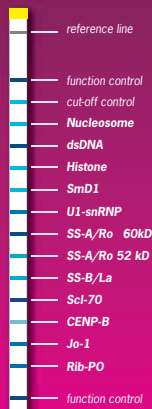
Immunoblot for the qualitative detection of IgG antibodies against:

dsDNA, nucleosomes, histones, SmD1, PCNA, Rib-PO, SS-A/Ro60kD, SS-A/Ro52kD, SS-B/La, CENP-B, Scl-70, U1-sn RNP, AMA-M2, Jo-1, Pm-Scl, Ku and Mi-2 in human serum.

AESKUBLOTS® ANA-17 Pro is used for the differential diagnosis of systemic rheumatic diseases. Detection of autoantibodies in **AESKUBLOTS®** with the corresponding specific antigens allows an easier and more reliable differentiation of specific ANAs (anti-nuclear antibodies). The ANAs included occur in active and inactive systemic lupus erythematosus (SLE), mixed connective tissue diseases (MCTD), scleroderma, Sjogren's syndrome, primary biliary cirrhosis (PBC) and polymyositis. **ANA-17 Pro** antigens are fitted on the test strip according to their relevance for the individual autoimmune disease (SLE, Sjogren's syndrome, CREST syndrome, scleroderma, MCTD, myositis, and PBC) allowing easier interpretation.

REF 4000

ANA-12 Pro



AESKUBLOTS® ANA-12 Pro

24 tests/kit

Conjugate: anti-human IgG-HRP

Color-coded (yellow) test strips with cut-off and positive control

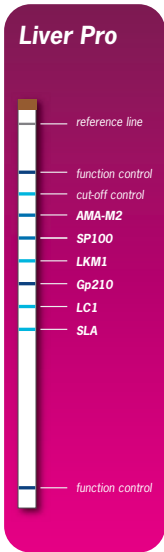
Immunoblot for the qualitative detection of IgG antibodies against:

nucleosomes, dsDNA, histones, SmD1, U1-snRNP, SS-A/Ro60kD, SS-A/Ro52kD, SS-B/La, Scl-70, CENP-B, Jo-1 and ribosomal P protein (Rib-PO) in human serum.

AESKUBLOTS® ANA-12 Pro is used for the differential diagnosis of systemic rheumatic diseases. Detection of autoantibodies in **AESKUBLOTS®** with the corresponding specific antigens allows an easier and more reliable differentiation of specific ANAs (anti-nuclear antibodies). The ANAs included occur in active and inactive systemic lupus erythematosus (SLE), mixed connective tissue diseases (MCTD), scleroderma, Sjogren's syndrome and polymyositis.

AESKUBLOTS®

REF 4004



AESKUBLOTS® Liver Pro

24 tests/kit

Conjugate: anti-human IgG HRP

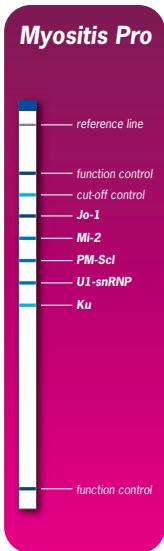
Color-coded (brown) test strips with cut-off and positive control

Immunoblot for the qualitative detection of IgG antibodies against:

AMA-M2, Sp100, LKM1, gp210, LC1 and SLA in human serum.

AESKUBLOTS® Liver Pro is used as an aid in the diagnosis of autoimmune liver diseases. The most important autoimmune liver diseases are autoimmune hepatitis (AIH) types 1-3, primary biliary cirrhosis (PBC) and a combination of both diseases (immunocholangiopathy). AIH is a chronic, progressive liver disease of unknown cause, which responds well to immunosuppressive therapy, however, if untreated it has a poor prognosis. PBC is a chronic inflammatory disease of the small and medium-size bile ducts. Undetected it can lead to liver cirrhosis. An early and reliable diagnosis is therefore of great importance.

REF 4003



AESKUBLOTS® Myositis Pro

24 tests/kit

Conjugate: anti-human IgG HRP

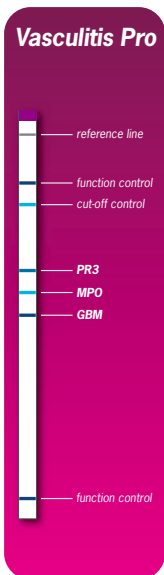
Color-coded (blue) test strips with cut-off and positive control

Immunoblot for the qualitative detection of IgG antibodies against:

Jo-1, Mi-2, Pm-Scl, U1-snRNP and Ku in human serum.

AESKUBLOTS® Myositis Pro is designed to help in the diagnosis of poly- and dermatomyositis, as well as myositis-associated autoimmune diseases. Autoimmune myositis represents a heterogeneous group of acquired muscle diseases. Their main clinical and morphological characteristics are muscle weakness and inflammatory infiltration of skeletal muscles.

REF 4002



AESKUBLOTS® Vasculitis Pro

24 tests/kit

Conjugate: anti-human IgG HRP

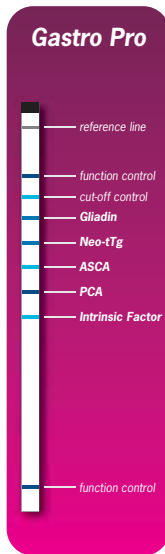
Color-coded (purple) test strips with cut-off and positive control

Immunoblot for the qualitative detection of IgG antibodies against:

PR3, MPO and GBM in human serum.

AESKUBLOTS® Vasculitis Pro is used for the differential diagnosis of autoimmune vasculitis. Antibodies against proteinase 3 (PR3) and myeloperoxidase (MPO) belong to the group of anti-neutrophil cytoplasmic antibodies (ANCA), which have been described as important markers in the differential diagnosis of autoimmune vasculitis. Anti-PR3 antibodies represent specific serological markers for granulomatosis with polyangiitis (Wegener's) and could play a role in pathogenesis. Anti-MPO antibodies occur in idiopathic and vasculitis-associated rapidly progressive glomerulonephritis, they are found in up to 70% of microscopic polyangiitis, and up to 5 - 50% in the Churg-Strauss syndrome. Serological detection of circulating antibodies against glomerular basement membrane in the glomeruli (GBM) is the method of choice in diagnosis of Goodpasture's syndrome.

REF 4005



AESKUBLOTS® Gastro Pro

24 tests/kit

Conjugate: anti-human IgA/IgG HRP

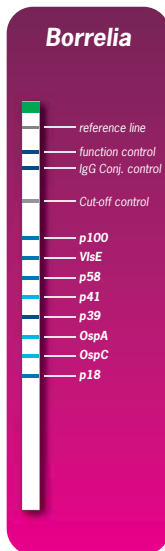
Color-coded (black) test strips with cut-off and positive control

Immunoblot for the qualitative detection of IgA and IgG antibodies against:
Gliadin, Neo-tTg, mannan (ASCA), parietal cells and Intrinsic factor-antigen.

AESKUBLOTS® Gastro Pro is designed to assist in the diagnosis of celiac disease, pernicious anemia and Crohn's Disease. Each section of the gastro-intestinal tract can be affected by autoimmune gastrointestinal diseases. Disease is often diagnosed years after occurrence of initial symptoms and outcome is severe in many cases.

Celiac patients often have an IgA deficiency. In order to avoid false-negative results, **AESKUBLOTS® Gastro Pro** detects IgA and IgG antibodies.

REF 4006



AESKUBLOTS® Borrelia-G

24 tests/kit

Conjugate: anti-human IgG HRP

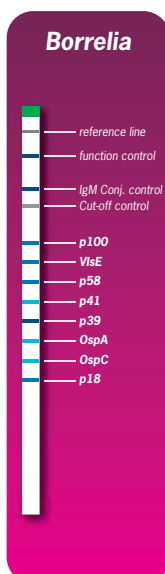
Color-coded (green) test strips with cut-off, positive and conjugate control

Immunoblot for the qualitative detection of specific **IgG** against *Borrelia burgdorferi* in human serum.

The assays provide tools for confirmation of positive and borderline ELISA (**AESKULISA® Borrelia-G**) results, and are in accordance with the two stage testing procedure recommended by the German Society for Hygiene and Microbiology (DGHM).

Lyme disease is a multisystemic disease caused by infection with the spirochete *Borrelia burgdorferi*, transmitted in Europe mainly by *Ixodes ricinus* (sheep tick). The antigens coated on the test strips are: p100, VlsE, p58, p41, p39, OspA, OspC and p18.

REF 4007



AESKUBLOTS® Borrelia-M

24 tests/kit

Conjugate: anti-human IgM HRP

Color-coded (green) test strips with cut-off, positive and conjugate control

Immunoblot for the qualitative detection of specific **IgM** against *Borrelia burgdorferi* in human serum.

The assays provide tools for confirmation of positive and borderline ELISA (**AESKULISA® Borrelia-M**) results, and are in accordance with the two stage testing procedure recommended by the German Society for Hygiene and Microbiology (DGHM).

Lyme disease is a multisystemic disease caused by infection with the spirochete *Borrelia burgdorferi*, transmitted in Europe mainly by *Ixodes ricinus* (sheep tick). The antigens coated on the test strips are: p100, VlsE, p58, p41, p39, OspA, OspC and p18.