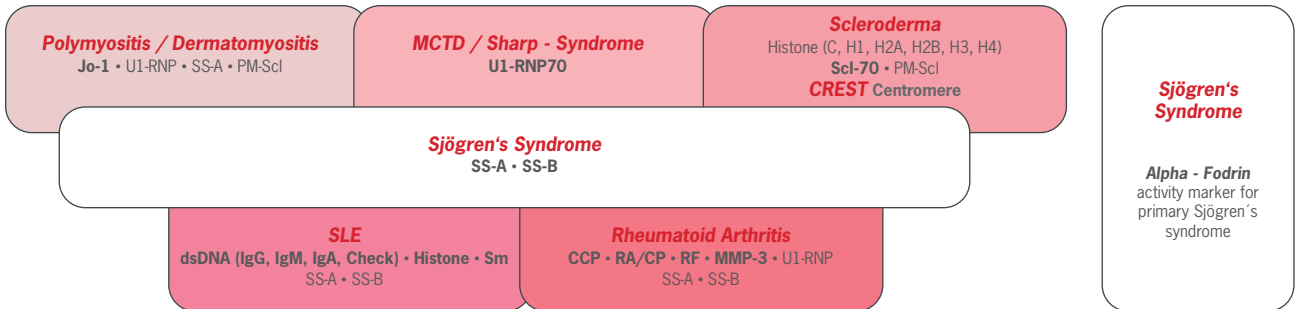


# RHEUMATOLOGY PRODUCT HIGHLIGHTS

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

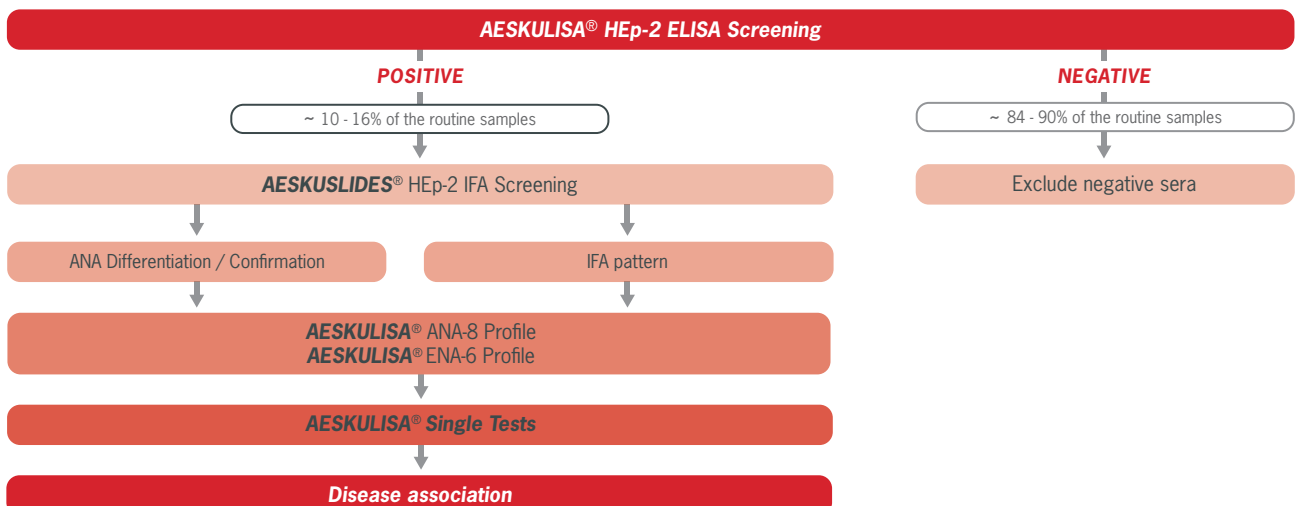
The immunofluorescence assay (IFA) is a well established laboratory method, considered to be the gold standard for ANA testing, in the diagnosis of connective tissue diseases.

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?**

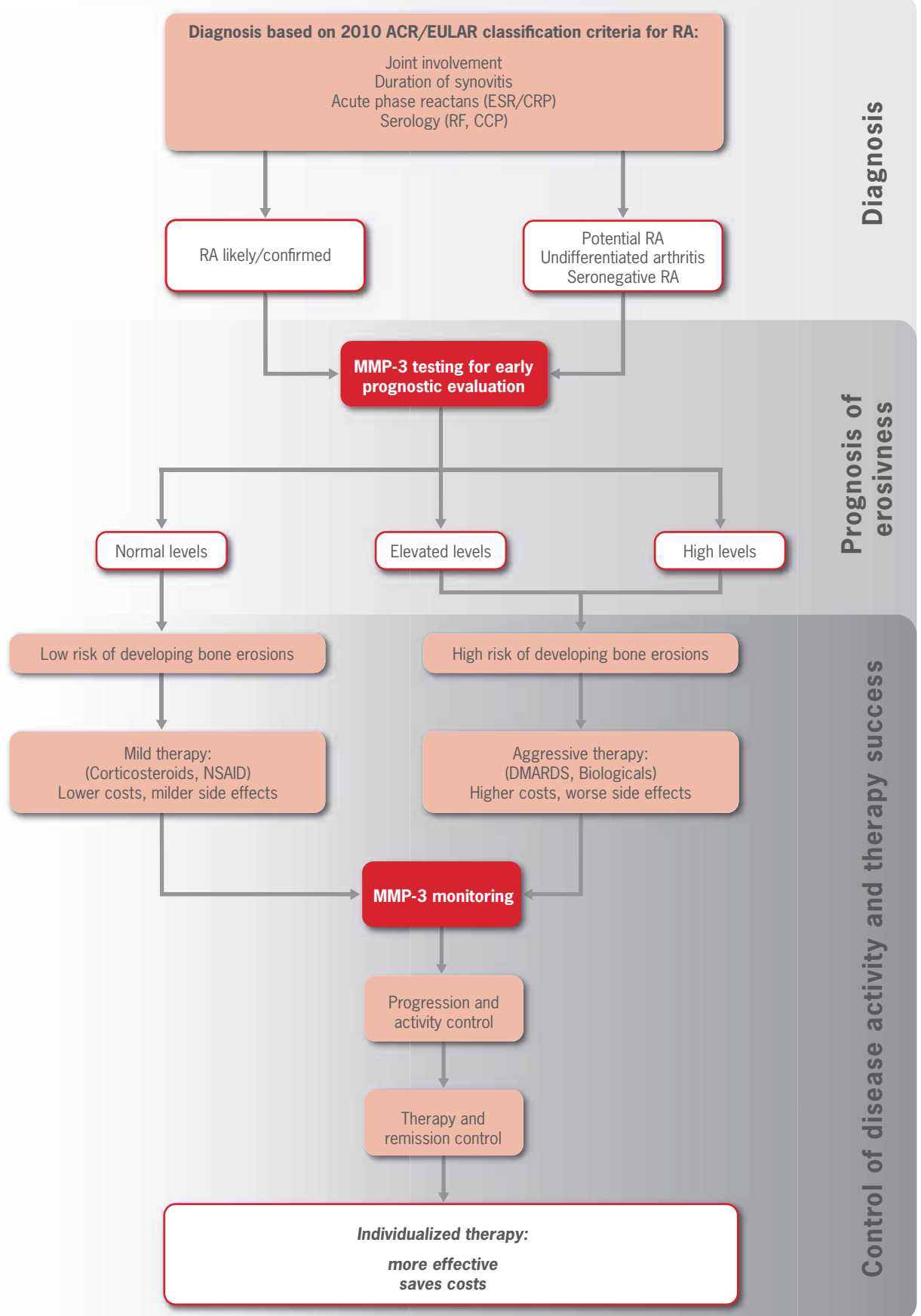
- MMP-3 is directly involved in cartilage and bone degradation in RA.
- The synovial fluid from RA patients contains a large amount of MMP-3.
- Serum levels of RA patients are also strongly elevated and correlate with the amount of MMP-3 in the synovial fluid.
- MMP-3 has been shown to predict bone erosions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



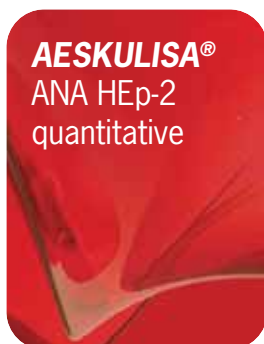
**AESKULISA®**  
ANA HEp-2

**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

**AESKULISA®**  
ENA-6Pro

**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

**AESKULISA®**  
DANA-Pro

**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

**AESKULISA®**  
Sclero-Pro

**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

**AESKULISA®**  
U1-70

**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 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

**AESKULISA®**  
snRNP-C

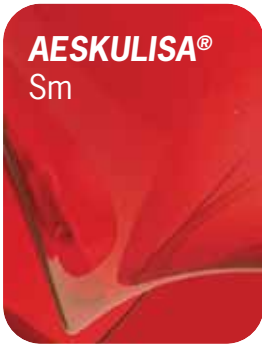
**Conjugate:**  
anti-human IgG-HRP  
**Equivocal Zone:**  
12 - 18 U/ml  
**Standard Range:**  
0 - 300 U/ml  
**Kit Configuration:**  
Single-G

**Antigens coated:**  
Native human 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



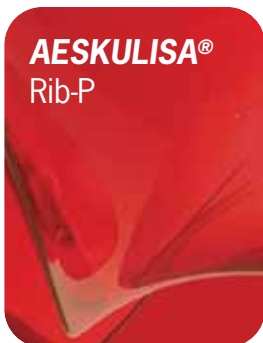
**AESKULISA®**  
Jo-1

**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

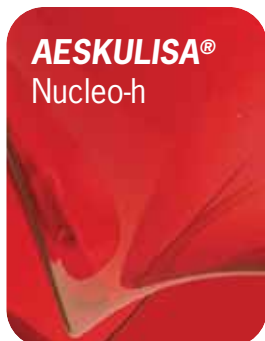
**Conjugate:**  
anti-human IgG-HRP  
**Equivocal Zone:**  
12 - 18 U/ml  
**Standard Range:**  
0 - 300 U/ml  
**Kit Configuration:**  
Single-G

**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

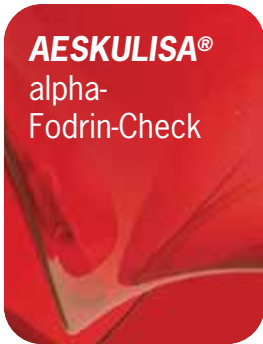
Enzyme-linked immunoassay (ELISA) for the quantitative and qualitative determination of IgG autoantibodies to histone H4 in human serum

# RHEUMATOLOGY

REF 3166	 <p><b>AESKULISA®</b> CCP</p>	<p><b>Conjugate:</b> anti-human IgG-HRP</p> <p><b>Equivocal Zone:</b> 12 - 18 U/ml</p> <p><b>Standard Range:</b> 0 - 300 U/ml</p> <p><b>Kit Configuration:</b> Single-G</p>	<p><b>Antigens coated:</b> 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><b>AESKULISA®</b> Rf-Check</p>	<p><b>Conjugate:</b> anti-human IgA/M/G-HRP</p> <p><b>Equivocal Zone:</b> 16 - 24 U/ml</p> <p><b>Standard Range:</b> 0 - 300 U/ml</p> <p><b>Kit Configuration:</b> Single-Check</p>	<p><b>Antigens coated:</b> 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><b>AESKULISA®</b> Rf-AGM</p>	<p><b>Conjugate:</b> anti-human IgA+IgG+IgM-HRP</p> <p><b>Equivocal Zone:</b> 12 - 18 U/ml</p> <p><b>Standard Range:</b> 0 - 300 U/ml</p> <p><b>Kit Configuration:</b> Single-AGM</p>	<p><b>Antigens coated:</b> 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><b>AESKULISA®</b> RA/CP-Detect</p>	<p><b>Conjugate:</b> anti-human IgG-HRP</p> <p><b>Equivocal Zone:</b> 12 - 18 U/ml</p> <p><b>Standard Range:</b> 0 - 300 U/ml</p> <p><b>Kit Configuration:</b> Single-G</p>	<p><b>Antigens coated:</b> 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><b>AESKULISA®</b> MMP-3</p>	<p><b>Conjugate:</b> mAb anti-human MMP-3-HRP</p> <p><b>Standard Range:</b> 0 - 200 ng/ml</p> <p><b>Kit Configuration:</b> Single</p>	<p><b>Antigens coated:</b> 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