

External Quality Assessment Scheme

Antinuclear antibodies Round 1, 2023

Specimens

Please find enclosed 3 human plasma or serum samples S001, S002 and S003, each 0.6 mL.

Caution

Quality control specimens derived from human blood must be handled with the same care as patient samples, i.e. as potential transmitters of serious diseases. The specimens are found to be HBsAg, HCVAb and HIVAgAb negative when tested with licensed reagents, but no known test method can offer complete assurance that the specimens will not transmit these or other infectious diseases.

Examinations

ANA	Antinuclear antibodies, nuclear pattern of fluorescence
ENAAb	Extractable nuclear antigen antibodies
RNPAb	Anti-Ribonucleic protein, antibodies
Rib P	Anti-Ribosomal P, antibodies P
RNA pol III	Anti-RNA polymerase III, antibodies
SmAb	Anti-Smith, antibodies (SmBAb and/or SmDAb)
SSAAb (Ro)	Sjögren's syndrome A (Ro52 + Ro60) antibodies
SSARo52	Sjögren's syndrome A (Ro52) antibodies
SSARo60	Sjögren's syndrome A (Ro60) antibodies
SSBAb (La)	Sjögren's syndrome B (La) antibodies
Scl-70Ab	Scleroderma, antibodies
Jo-1Ab	Anti-Histidyl-tRNA synthetase, antibodies
CENP-B	Anti-Centromere B, antibodies
CENP-A	Anti-Centromere A, antibodies
dsDNAAb	Anti-Double stranded deoxyribonucleic acid antibodies
HistAb	Anti-histone, antibodies

Storage and use

After arrival, the samples should be stored at +2...8 °C, and used as soon as possible, preferably within a week. The samples are ready for use. Analyse as patient samples.

Result reporting

Please enter the results and methods via LabScala (www.labscala.com). If you cannot find your test from the registry, please contact the EQA Coordinator. If you choose staining pattern "Other", please specify it in the Comments field.

S001



S003



S002



2023-04-18

INSTRUCTIONS

Product no. 5900
LQ717823011-013/FI

Subcontracting: Sample pretesting

If the kit is incomplete or contains damaged specimens, please report immediately to info@labquality.fi.

The results should be reported no later than **May 11, 2023.**

The expected results of the round are published in LabScala in the View Reports section by May 16, 2023.

Inquiries

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Sample S001 | ANA

Methodics	Negative	Borderline	Weak positive	Positive	Total
Aeskulisa Ana (Aesku Diagnostics)	-	-	-	1	1
ANA Screen CLIA (Immunodiagnostic systems)	-	-	-	1	1
BIO-FLASH (Inova Diagnostics)	-	-	-	2	2
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
Chorus ANA-SCREEN (Diesse)	-	-	-	4	4
EliA Phadia (Thermo Scientific)	-	-	-	4	4
ELISA (Euroimmun)	-	-	-	2	2
ELISA (Inova Diagnostics)	-	-	-	1	1
ELISA (Orgentec Diagnostika)	-	-	-	4	4
HEP-2 cells (Aesku Diagnostics)	-	-	-	3	3
HEP-2 cells (Biosystems)	-	-	-	1	1
HEP-2 cells (Euroimmun)	-	-	-	16	16
HEP-2 cells (Immco Diagnostics)	-	-	-	1	1
HEP-2 cells (Immuno Concept)	-	-	-	1	1
HEP-2 cells (Inova Diagnostics)	-	-	-	4	4
HEP-2 cells (Zeus Scientific)	-	-	-	2	2
HEP-2 Kallestad (Bio-Rad)	-	-	-	1	1
IFA ANA HEp-2 cells (Zenit)	-	-	-	1	1
Total	-	-	-	50	50

Methodics	Homogenous	Speckled	Cytoplasmic	Total
Fluorescence pattern	2	31	2	35

Sample S001 | ENAAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	-	-	-	1	1
Aeskulisa (Aesku Diagnostics)	-	-	-	1	1
BIO-FLASH (Inova Diagnostics)	-	-	-	3	3
EIA ENA screen plus (TestLine)	-	1	-	-	1
EliA Phadia (Thermo Scientific)	-	-	-	15	15
ELISA (Euroimmun)	-	-	-	1	1
ELISA (Inova Diagnostics)	-	-	-	1	1
ELISA (Orgentec Diagnostika)	-	-	-	2	2
ENA Screen CLIA (Immunodiagnostic systems)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	-	-	-	1	1
Total	-	1	-	26	27

Sample S001 | RNPAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	2	-	1	1	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	-	-	-	1	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	13	2	1	1	17
ELISA (Inova Diagnostics)	-	-	-	3	3
Immunoblot Euroline (Euroimmun)	16	-	-	-	16
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	43	2	2	6	53

Sample S001 | SmDAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	6	1	-	1	8
Immunoblot Euroline (Euroimmun)	3	-	-	-	3
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	1	-	-	-	1
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	15	1	-	1	17

Sample S001 | SSAAb (Ro52+Ro60)

Methodics	Negative	Borderline	Weak positive	Positive	Total
Aeskulisa (Aesku Diagnostics)	-	-	-	2	2
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
EIA ENA screen plus (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	1	-	-	16	17
ELISA (Inova Diagnostics)	-	-	-	2	2
ELISA (Orgentec Diagnostika)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	-	-	-	6	6
Immunoblot (Mikrogen Diagnostik)	-	-	-	1	1
Total	1	-	-	30	31

Sample S001 | SSARo52

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	-	-	-	4	4
Aeskulisa (Aesku Diagnostics)	-	-	-	1	1
BIO-FLASH (Inova Diagnostics)	-	-	-	4	4
BLOT-LINE ANA (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	-	-	-	4	4
Immunoblot Euroline (Euroimmun)	-	-	-	18	18
Immunoblot INNO-LIA (Innogenetics)	-	-	-	2	2
Immunoblot (Mikrogen Diagnostik)	-	-	-	2	2
Microblot-Array ANA (TestLine)	-	-	-	1	1
Total	-	-	-	37	37

Sample S001 | SSARo60

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	-	-	-	4	4
Aeskulisa (Aesku Diagnostics)	-	-	-	1	1
BIO-FLASH (Inova Diagnostics)	-	-	-	4	4
BLOT-LINE ANA (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	-	-	-	4	4
ELISA (Inova Diagnostics)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	-	-	-	10	10
Immunoblot INNO-LIA (Innogenetics)	-	-	-	2	2
Immunoblot (Mikrogen Diagnostik)	-	-	-	2	2
Microblot-Array ANA (TestLine)	-	-	-	1	1
Total	-	-	-	30	30

Sample S001 | SSBAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	-	-	-	3	3
Aeskulisa (Aesku Diagnostics)	-	-	1	1	2
BIO-FLASH (Inova Diagnostics)	-	-	-	4	4
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
BLOT-LINE ANA (TestLine)	-	-	-	1	1
EIA ENA screen plus (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	1	-	-	16	17
ELISA (Inova Diagnostics)	-	-	-	3	3
ELISA (Orgentec Diagnostika)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	-	-	-	17	17
Immunoblot INNO-LIA (Innogenetics)	-	-	-	2	2
Immunoblot (Mikrogen Diagnostik)	-	-	-	1	1
Microblot-Array ANA (TestLine)	-	-	-	1	1
Total	1	-	1	52	54

Sample S001 | Scl70Ab

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	3	-	-	-	3
Aeskulisa (Aesku Diagnostics)	2	-	-	-	2
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	16	-	-	-	16
ELISA (Inova Diagnostics)	3	-	-	-	3
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	16	-	-	-	16
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	53	-	-	-	53

Sample S001 | Jo1Ab

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	3	-	-	-	3
Aeskulisa (Aesku Diagnostics)	2	-	-	-	2
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	17	-	-	-	17
ELISA (Inova Diagnostics)	3	-	-	-	3
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	15	-	-	-	15
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	53	-	-	-	53

Sample S001 | CENP-B

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	2	-	-	-	2
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	⊙ 14	-	-	-	14
ELISA (Inova Diagnostics)	1	-	-	-	1
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	16	-	-	-	16
Immunoblot INNO-LIA (Innogenetics)	1	-	-	1	2
Immunoblot (Mikrogen Diagnostik)	1	-	-	-	1
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	45	-	-	1	46

Sample S001 | Rib-P

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
BIO-FLASH (Inova Diagnostics)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	⊙ 6	-	-	-	6
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	14	-	-	-	14
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	32	-	-	-	32

Sample S001 | RNAPol III

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	⊙ 8	-	-	-	8
ELISA (Inova Diagnostics)	2	-	-	-	2
Immunoblot Euroline (Euroimmun)	4	-	-	-	4
Total	15	-	-	-	15

Sample S001 | dsDNAAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
anti-dsDNA (Orgentec Diagnostika)	2	-	-	-	2
BIO-FLASH (Inova Diagnostics)	3	-	-	-	3
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
Crithidia luciliae-DNA Kallestad (Bio-Rad)	1	-	-	-	1
Crithidia luciliae-DNA NOVA Lite (Inova Diagnostics)	3	-	-	-	3
EIA ENA screen plus (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	⊙ 17	-	-	1	18
ELISA (Aesku Diagnostics)	1	-	-	-	1
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	1	-	-	-	1
ELISA (Orgentec Diagnostika)	4	-	-	-	4
Immunoblot Euroline (Euroimmun)	15	-	-	-	15
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	58	-	-	2	60

Sample S002 | ANA

Methodics	Negative	Borderline	Weak positive	Positive	Total
Aeskulisa Ana (Aesku Diagnostics)	-	-	1	1	2
ANA Screen CLIA (Immunodiagnostic systems)	-	-	-	1	1
BIO-FLASH (Inova Diagnostics)	-	-	-	2	2
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
Chorus ANA-SCREEN (Diesse)	-	-	-	4	4
EliA Phadia (Thermo Scientific)	-	-	-	4	4
ELISA (Euroimmun)	-	-	-	2	2
ELISA (Inova Diagnostics)	-	-	-	1	1
ELISA (Orgentec Diagnostika)	-	-	1	3	4
HEP-2 cells (Aesku Diagnostics)	-	-	-	2	2
HEP-2 cells (Biosystems)	-	-	-	1	1
HEP-2 cells (Euroimmun)	-	-	1	15	16
HEP-2 cells (Immco Diagnostics)	-	-	-	1	1
HEP-2 cells (Immuno Concept)	-	-	-	1	1
HEP-2 cells (Inova Diagnostics)	-	-	-	4	4
HEP-2 cells (Zeus Scientific)	-	-	-	2	2
HEP-2 Kallestad (Bio-Rad)	-	-	-	1	1
IFA ANA HEp-2 cells (Zenit)	-	-	-	1	1
Total	-	-	3	47	50

Methodics	Homogenous	Speckled	Cytoplasmic	Other	Total
Fluorescence pattern	30	4	2	1	37

Sample S002 | ENAAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	-	-	-	1
Aeskulisa (Aesku Diagnostics)	-	-	-	1	1
BIO-FLASH (Inova Diagnostics)	-	-	-	3	3
EIA ENA screen plus (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	-	-	-	16	16
ELISA (Euroimmun)	-	-	-	1	1
ELISA (Inova Diagnostics)	-	-	-	1	1
ELISA (Orgentec Diagnostika)	-	-	-	2	2
ENA Screen CLIA (Immunodiagnostic systems)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	-	-	-	1	1
Total	1	-	-	27	28

Sample S002 | RNPAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	-	1	-	-	1
BIO-FLASH (Inova Diagnostics)	-	-	-	4	4
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
BLOT-LINE ANA (TestLine)	-	-	-	1	1
EIA ENA screen plus (TestLine)	-	1	-	-	1
EliA Phadia (Thermo Scientific)	1	-	-	16	17
ELISA (Euroimmun)	-	-	-	1	1
ELISA (Inova Diagnostics)	-	-	-	3	3
Immunoblot Euroline (Euroimmun)	1	-	1	15	17
Immunoblot INNO-LIA (Innogenetics)	-	1	-	1	2
Immunoblot (Mikrogen Diagnostik)	1	-	1	-	2
Microblot-Array ANA (TestLine)	-	-	-	1	1
Total	7	3	2	43	55

Sample S002 | SmDAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	-	-	-	1	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	8	-	-	-	8
Immunoblot Euroline (Euroimmun)	2	-	-	-	2
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	1	-	-	-	1
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	15	-	-	1	16

Sample S002 | SSAAb (Ro52+Ro60)

Methodics	Negative	Borderline	Weak positive	Positive	Total
Aeskulisa (Aesku Diagnostics)	1	-	-	1	2
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	16	-	-	1	17
ELISA (Inova Diagnostics)	2	-	-	-	2
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	5	-	-	-	5
Total	27	-	-	2	29

Sample S002 | SSARo52

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	3	-	-	1	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	4	-	-	-	4
Immunoblot Euroline (Euroimmun)	6	3	4	5	18
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	24	3	4	6	37

Sample S002 | SSARo60

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	3	-	-	1	4
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	4	-	-	-	4
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	9	-	1	-	10
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	28	-	1	1	30

Sample S002 | SSBAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	1	1	-	3
Aeskulisa (Aesku Diagnostics)	1	-	-	1	2
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	⊙ 17	-	-	-	17
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	3	-	-	-	3
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	16	-	1	-	17
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	1	-	-	-	1
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	51	1	2	1	55

Sample S002 | Scl70Ab

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	⊙ 16	-	-	-	16
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	3	-	-	-	3
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	16	-	-	-	16
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	54	-	-	-	54

Sample S002 | Jo1Ab

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	⊙ 16	-	-	1	17
ELISA (Inova Diagnostics)	3	-	-	-	3
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	15	-	-	-	15
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	52	-	-	1	53

Sample S002 | CENP-B

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	3	-	-	-	3
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	15	-	-	-	15
ELISA (Inova Diagnostics)	1	-	-	-	1
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	16	-	-	-	16
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	1	-	-	-	1
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	48	-	-	-	48

Sample S002 | Rib-P

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
BIO-FLASH (Inova Diagnostics)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	6	-	-	-	6
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	13	-	-	-	13
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	31	-	-	-	31

Sample S002 | RNAPol III

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	8	-	-	-	8
ELISA (Inova Diagnostics)	2	-	-	-	2
Immunoblot Euroline (Euroimmun)	3	-	-	1	4
Total	14	-	-	1	15

Sample S002 | dsDNAAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	2	1	1	-	4
Aeskulisa (Aesku Diagnostics)	-	1	-	-	1
anti-dsDNA (Orgentec Diagnostika)	-	-	-	2	2
BIO-FLASH (Inova Diagnostics)	-	-	-	3	3
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
Crithidia luciliae-DNA Kallestad (Bio-Rad)	1	-	-	-	1
Crithidia luciliae-DNA NOVA Lite (Inova Diagnostics)	-	-	-	3	3
EIA ENA screen plus (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	2	1	-	15	18
ELISA (Aesku Diagnostics)	-	1	-	-	1
ELISA (Euroimmun)	-	-	-	1	1
ELISA (Inova Diagnostics)	-	-	-	1	1
ELISA (Orgentec Diagnostika)	-	-	1	3	4
Immunoblot Euroline (Euroimmun)	14	-	-	-	14
Immunoblot (Mikrogen Diagnostik)	-	1	1	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	21	5	3	30	59

Sample S003 | ANA

Methodics	Negative	Borderline	Weak positive	Positive	Total	
Aeskulisa Ana (Aesku Diagnostics)	-	1	-	1	2	
ANA Screen CLIA (Immunodiagnostic systems)	-	-	-	1	1	
BIO-FLASH (Inova Diagnostics)	-	-	-	2	2	
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1	
Chorus ANA-SCREEN (Diesse)	-	-	-	4	4	
EliA Phadia (Thermo Scientific)	-	-	-	4	4	
ELISA (Euroimmun)	-	-	-	2	2	
ELISA (Inova Diagnostics)	1	-	-	1	2	
ELISA (Orgentec Diagnostika)	-	-	-	4	4	
HEP-2 cells (Aesku Diagnostics)	-	-	2	-	2	
HEP-2 cells (Biosystems)	1	-	-	-	1	
HEP-2 cells (Euroimmun)	2	2	2	⊙	10	16
HEP-2 cells (Immco Diagnostics)	-	-	1	-	1	
HEP-2 cells (Immuno Concept)	-	-	1	-	1	
HEP-2 cells (Inova Diagnostics)	2	-	-	1	3	
HEP-2 cells (Zeus Scientific)	1	-	-	1	2	
HEP-2 Kallestad (Bio-Rad)	1	-	-	-	1	
IFA ANA HEp-2 cells (Zenit)	1	-	-	-	1	
Total	9	3	6	32	50	

Methodics	Homogenous	Speckled	Cytoplasmic	Other	Total
Fluorescence pattern	1	8	⊙ 21	1	31

Sample S003 | ENAAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	-	-	-	1	1
Aeskulisa (Aesku Diagnostics)	-	-	-	1	1
BIO-FLASH (Inova Diagnostics)	-	-	-	3	3
EIA ENA screen plus (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	-	-	2	⊙ 14	16
ELISA (Euroimmun)	-	-	-	1	1
ELISA (Inova Diagnostics)	-	-	-	1	1
ELISA (Orgentec Diagnostika)	-	-	-	2	2
ENA Screen CLIA (Immunodiagnostic systems)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	-	-	-	1	1
Total	-	-	2	26	28

Sample S003 | RNPAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	⊙ 17	-	-	-	17
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	3	-	-	-	3
Immunoblot Euroline (Euroimmun)	17	-	-	-	17
Immunoblot INNO-LIA (Innogenetics)	1	-	-	-	1
Immunoblot (Inova Diagnostics)	1	-	-	-	1
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	55	-	-	-	55

Sample S003 | SmDAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	8	-	-	-	8
Immunoblot Euroline (Euroimmun)	2	-	-	-	2
Immunoblot INNO-LIA (Innogenetics)	1	-	-	-	1
Immunoblot (Inova Diagnostics)	1	-	-	-	1
Immunoblot (Mikrogen Diagnostik)	1	-	-	-	1
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	16	-	-	-	16

Sample S003 | SSAAb (Ro52+Ro60)

Methodics	Negative	Borderline	Weak positive	Positive	Total
Aeskulisa (Aesku Diagnostics)	-	-	-	2	2
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
EIA ENA screen plus (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	1	-	-	16	17
ELISA (Inova Diagnostics)	-	-	-	2	2
ELISA (Orgentec Diagnostika)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	3	-	1	1	5
Total	4	-	1	24	29

Sample S003 | SSARo52

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	-	2	1	4
Aeskulisa (Aesku Diagnostics)	-	-	-	1	1
BIO-FLASH (Inova Diagnostics)	-	-	1	3	4
BLOT-LINE ANA (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	-	-	-	4	4
Immunoblot Euroline (Euroimmun)	-	-	1	17	18
Immunoblot INNO-LIA (Innogenetics)	-	-	-	1	1
Immunoblot (Inova Diagnostics)	-	-	-	1	1
Immunoblot (Mikrogen Diagnostik)	-	1	1	-	2
Microblot-Array ANA (TestLine)	-	-	-	1	1
Total	1	1	1	5	37

Sample S003 | SSARo60

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	4	-	-	-	4
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	10	-	-	-	10
Immunoblot INNO-LIA (Innogenetics)	1	-	-	-	1
Immunoblot (Inova Diagnostics)	1	-	-	-	1
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	29	-	-	1	30

Sample S003 | SSBAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	⊙ 15	-	-	2	17
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	3	-	-	-	3
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	17	-	-	-	17
Immunoblot INNO-LIA (Innogenetics)	1	-	-	-	1
Immunoblot (Inova Diagnostics)	1	-	-	-	1
Immunoblot (Mikrogen Diagnostik)	1	-	-	-	1
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	53	-	-	2	55

Sample S003 | Scl70Ab

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	⊙ 16	-	-	-	16
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	3	-	-	-	3
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	17	-	-	-	17
Immunoblot INNO-LIA (Innogenetics)	1	-	-	-	1
Immunoblot (Inova Diagnostics)	1	-	-	-	1
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	54	-	-	-	54

Sample S003 | Jo1Ab

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	-	-	-	3	3
Aeskulisa (Aesku Diagnostics)	-	-	-	2	2
BIO-FLASH (Inova Diagnostics)	-	-	-	4	4
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
BLOT-LINE ANA (TestLine)	-	-	-	1	1
EIA ENA screen plus (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	2	-	-	⊙ 15	17
ELISA (Inova Diagnostics)	-	-	-	3	3
ELISA (Orgentec Diagnostika)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	-	-	-	15	15
Immunoblot INNO-LIA (Innogenetics)	-	-	-	1	1
Immunoblot (Inova Diagnostics)	-	-	-	1	1
Immunoblot (Mikrogen Diagnostik)	1	-	-	1	2
Microblot-Array ANA (TestLine)	-	-	-	1	1
Total	3	-	-	50	53

Sample S003 | CENP-B

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	3	-	-	-	3
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	15	-	-	-	15
ELISA (Inova Diagnostics)	1	-	-	-	1
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	16	-	-	-	16
Immunoblot INNO-LIA (Innogenetics)	1	-	-	-	1
Immunoblot (Inova Diagnostics)	1	-	-	-	1
Immunoblot (Mikrogen Diagnostik)	1	-	-	-	1
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	48	-	-	-	48

Sample S003 | Rib-P

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
BIO-FLASH (Inova Diagnostics)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	6	-	-	-	6
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	14	-	-	-	14
Immunoblot INNO-LIA (Innogenetics)	1	-	-	-	1
Immunoblot (Inova Diagnostics)	1	-	-	-	1
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	32	-	-	-	32

Sample S003 | RNAPol III

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	8	-	-	-	8
ELISA (Inova Diagnostics)	2	-	-	-	2
Immunoblot Euroline (Euroimmun)	4	-	-	-	4
Total	15	-	-	-	15

Sample S003 | dsDNAAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
anti-dsDNA (Orgentec Diagnostika)	2	-	-	-	2
BIO-FLASH (Inova Diagnostics)	3	-	-	-	3
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
Crithidia luciliae-DNA Kallestad (Bio-Rad)	1	-	-	-	1
Crithidia luciliae-DNA NOVA Lite (Inova Diagnostics)	2	-	-	1	3
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	18	-	-	-	18
ELISA (Aesku Diagnostics)	1	-	-	-	1
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	1	-	-	-	1
ELISA (Orgentec Diagnostika)	4	-	-	-	4
Immunoblot Euroline (Euroimmun)	15	-	-	-	15
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	59	-	-	1	60

Report info

Participants

62 participants from 19 countries.

Report info

The results are divided into groups according to the method stated by the laboratory and presented in laboratory-specific tables. Accepted results are marked with green colour and laboratory's own result with a black radio button . If you have not reported any results you will get a note: "You have not responded in time, only global report is available." Always compare your results to those obtained with the same test method.

For information on report interpretation and performance evaluation, please see the "EQAS Interpretation guidelines" in LabScala User instructions. In case you have any questions regarding the reports, please contact the EQA Coordinator.

Sample S001 | ANA

Methodics	Negative	Borderline	Weak positive	Positive	Total
Aeskulisa Ana (Aesku Diagnostics)	-	-	-	1	1
ANA Screen CLIA (Immunodiagnostic systems)	-	-	-	1	1
BIO-FLASH (Inova Diagnostics)	-	-	-	2	2
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
Chorus ANA-SCREEN (Diesse)	-	-	-	4	4
EliA Phadia (Thermo Scientific)	-	-	-	4	4
ELISA (Euroimmun)	-	-	-	2	2
ELISA (Inova Diagnostics)	-	-	-	1	1
ELISA (Orgentec Diagnostika)	-	-	-	4	4
HEP-2 cells (Aesku Diagnostics)	-	-	-	3	3
HEP-2 cells (Biosystems)	-	-	-	1	1
HEP-2 cells (Euroimmun)	-	-	-	16	16
HEP-2 cells (Immco Diagnostics)	-	-	-	1	1
HEP-2 cells (Immuno Concept)	-	-	-	1	1
HEP-2 cells (Inova Diagnostics)	-	-	-	4	4
HEP-2 cells (Zeus Scientific)	-	-	-	2	2
HEP-2 Kallestad (Bio-Rad)	-	-	-	1	1
IFA ANA HEp-2 cells (Zenit)	-	-	-	1	1
Total	-	-	-	50	50

Methodics	Homogenous	Speckled	Cytoplasmic	Total
Fluorescence pattern	2	31	2	35

Sample S001 | ENAAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	-	-	-	1	1
Aeskulisa (Aesku Diagnostics)	-	-	-	1	1
BIO-FLASH (Inova Diagnostics)	-	-	-	3	3
EIA ENA screen plus (TestLine)	-	1	-	-	1
EliA Phadia (Thermo Scientific)	-	-	-	15	15
ELISA (Euroimmun)	-	-	-	1	1
ELISA (Inova Diagnostics)	-	-	-	1	1
ELISA (Orgentec Diagnostika)	-	-	-	2	2
ENA Screen CLIA (Immunodiagnostic systems)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	-	-	-	1	1
Total	-	1	-	26	27

Sample S001 | RNPAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	2	-	1	1	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	-	-	-	1	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	13	2	1	1	17
ELISA (Inova Diagnostics)	-	-	-	3	3
Immunoblot Euroline (Euroimmun)	16	-	-	-	16
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	43	2	2	6	53

Sample S001 | SmAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	3	-	-	-	3
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	3	-	-	-	3
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	9	-	-	-	9

ELISA (Inova Diagnostics)	3	-	-	-	3
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	15	-	-	-	15
Total	37	-	-	-	37

Sample S001 | SmBAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
BLOT-LINE ANA (TestLine)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	2	-	-	-	2
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	1	-	-	-	1
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	7	-	-	-	7

Sample S001 | SmDAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	6	1	-	1	8
Immunoblot Euroline (Euroimmun)	3	-	-	-	3
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	1	-	-	-	1
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	15	1	-	1	17

Sample S001 | SSAAb (Ro52+Ro60)

Methodics	Negative	Borderline	Weak positive	Positive	Total
Aeskulisa (Aesku Diagnostics)	-	-	-	2	2
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
EIA ENA screen plus (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	1	-	-	16	17
ELISA (Inova Diagnostics)	-	-	-	2	2
ELISA (Orgentec Diagnostika)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	-	-	-	6	6
Immunoblot (Mikrogen Diagnostik)	-	-	-	1	1
Total	1	-	-	30	31

Sample S001 | SSARo52

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	-	-	-	4	4
Aeskulisa (Aesku Diagnostics)	-	-	-	1	1
BIO-FLASH (Inova Diagnostics)	-	-	-	4	4
BLOT-LINE ANA (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	-	-	-	4	4
Immunoblot Euroline (Euroimmun)	-	-	-	18	18
Immunoblot INNO-LIA (Innogenetics)	-	-	-	2	2
Immunoblot (Mikrogen Diagnostik)	-	-	-	2	2
Microblot-Array ANA (TestLine)	-	-	-	1	1
Total	-	-	-	37	37

Sample S001 | SSARo60

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	-	-	-	4	4
Aeskulisa (Aesku Diagnostics)	-	-	-	1	1
BIO-FLASH (Inova Diagnostics)	-	-	-	4	4
BLOT-LINE ANA (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	-	-	-	4	4
ELISA (Inova Diagnostics)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	-	-	-	10	10
Immunoblot INNO-LIA (Innogenetics)	-	-	-	2	2
Immunoblot (Mikrogen Diagnostik)	-	-	-	2	2
Microblot-Array ANA (TestLine)	-	-	-	1	1
Total	-	-	-	30	30

Sample S001 | SSBAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	-	-	-	3	3
Aeskulisa (Aesku Diagnostics)	-	-	1	1	2
BIO-FLASH (Inova Diagnostics)	-	-	-	4	4
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
BLOT-LINE ANA (TestLine)	-	-	-	1	1
EIA ENA screen plus (TestLine)	-	-	-	1	1
ELiA Phadia (Thermo Scientific)	1	-	-	16	17
ELISA (Inova Diagnostics)	-	-	-	3	3
ELISA (Orgentec Diagnostika)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	-	-	-	17	17
Immunoblot INNO-LIA (Innogenetics)	-	-	-	2	2
Immunoblot (Mikrogen Diagnostik)	-	-	-	1	1
Microblot-Array ANA (TestLine)	-	-	-	1	1
Total	1	-	1	52	54

Sample S001 | Scl70Ab

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	3	-	-	-	3
Aeskulisa (Aesku Diagnostics)	2	-	-	-	2
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
ELiA Phadia (Thermo Scientific)	16	-	-	-	16
ELISA (Inova Diagnostics)	3	-	-	-	3
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	16	-	-	-	16
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	53	-	-	-	53

Sample S001 | Jo1Ab

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	3	-	-	-	3
Aeskulisa (Aesku Diagnostics)	2	-	-	-	2
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
ELiA Phadia (Thermo Scientific)	17	-	-	-	17
ELISA (Inova Diagnostics)	3	-	-	-	3
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	15	-	-	-	15
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	53	-	-	-	53

Sample S001 | CENP-A

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
ELiA Phadia (Thermo Scientific)	2	-	-	-	2
ELISA (Inova Diagnostics)	2	-	-	-	2
Immunoblot Euroline (Euroimmun)	6	-	-	-	6
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	14	-	-	-	14

Sample S001 | CENP-B

Methodics	Negative	Borderline	Weak positive	Positive	Total
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AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	2	-	-	-	2
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	14	-	-	-	14
ELISA (Inova Diagnostics)	1	-	-	-	1
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	16	-	-	-	16
Immunoblot INNO-LIA (Innogenetics)	1	-	-	1	2
Immunoblot (Mikrogen Diagnostik)	1	-	-	-	1
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	45	-	-	1	46

Sample S001 | Rib-P

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
BIO-FLASH (Inova Diagnostics)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	6	-	-	-	6
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	14	-	-	-	14
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	32	-	-	-	32

Sample S001 | HistAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
BLOT-LINE ANA (TestLine)	1	-	-	-	1
ELISA (Inova Diagnostics)	2	-	-	-	2
Immunoblot Euroline (Euroimmun)	17	-	-	-	17
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	29	-	-	-	29

Sample S001 | RNAPol III

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	8	-	-	-	8
ELISA (Inova Diagnostics)	2	-	-	-	2
Immunoblot Euroline (Euroimmun)	4	-	-	-	4
Total	15	-	-	-	15

Sample S001 | dsDNAAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
anti-dsDNA (Orgentec Diagnostika)	2	-	-	-	2
BIO-FLASH (Inova Diagnostics)	3	-	-	-	3
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
Crithidia luciliae-DNA Kallestad (Bio-Rad)	1	-	-	-	1
Crithidia luciliae-DNA NOVA Lite (Inova Diagnostics)	3	-	-	-	3
EIA ENA screen plus (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	17	-	-	1	18
ELISA (Aesku Diagnostics)	1	-	-	-	1
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	1	-	-	-	1
ELISA (Orgentec Diagnostika)	4	-	-	-	4
Immunoblot Euroline (Euroimmun)	15	-	-	-	15

Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	58	-	-	2	60

Sample S002 | ANA

Methodics	Negative	Borderline	Weak positive	Positive	Total
Aeskulisa Ana (Aesku Diagnostics)	-	-	1	1	2
ANA Screen CLIA (Immunodiagnostic systems)	-	-	-	1	1
BIO-FLASH (Inova Diagnostics)	-	-	-	2	2
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
Chorus ANA-SCREEN (Diesse)	-	-	-	4	4
EliA Phadia (Thermo Scientific)	-	-	-	4	4
ELISA (Euroimmun)	-	-	-	2	2
ELISA (Inova Diagnostics)	-	-	-	1	1
ELISA (Orgentec Diagnostika)	-	-	1	3	4
HEP-2 cells (Aesku Diagnostics)	-	-	-	2	2
HEP-2 cells (Biosystems)	-	-	-	1	1
HEP-2 cells (Euroimmun)	-	-	1	15	16
HEP-2 cells (Immco Diagnostics)	-	-	-	1	1
HEP-2 cells (Immuno Concept)	-	-	-	1	1
HEP-2 cells (Inova Diagnostics)	-	-	-	4	4
HEP-2 cells (Zeus Scientific)	-	-	-	2	2
HEP-2 Kallestad (Bio-Rad)	-	-	-	1	1
IFA ANA HEP-2 cells (Zenit)	-	-	-	1	1
Total	-	-	3	47	50

Methodics	Homogenous	Speckled	Cytoplasmic	Other	Total
Fluorescence pattern	30	4	2	1	37

Sample S002 | ENAAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	-	-	-	1
Aeskulisa (Aesku Diagnostics)	-	-	-	1	1
BIO-FLASH (Inova Diagnostics)	-	-	-	3	3
EIA ENA screen plus (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	-	-	-	16	16
ELISA (Euroimmun)	-	-	-	1	1
ELISA (Inova Diagnostics)	-	-	-	1	1
ELISA (Orgentec Diagnostika)	-	-	-	2	2
ENA Screen CLIA (Immunodiagnostic systems)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	-	-	-	1	1
Total	1	-	-	27	28

Sample S002 | RNPAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	-	1	-	-	1
BIO-FLASH (Inova Diagnostics)	-	-	-	4	4
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
BLOT-LINE ANA (TestLine)	-	-	-	1	1
EIA ENA screen plus (TestLine)	-	1	-	-	1
EliA Phadia (Thermo Scientific)	1	-	-	16	17
ELISA (Euroimmun)	-	-	-	1	1
ELISA (Inova Diagnostics)	-	-	-	3	3
Immunoblot Euroline (Euroimmun)	1	-	1	15	17
Immunoblot INNO-LIA (Innogenetics)	-	1	-	1	2
Immunoblot (Mikrogen Diagnostik)	1	-	1	-	2
Microblot-Array ANA (TestLine)	-	-	-	1	1
Total	7	3	2	43	55

Sample S002 | SmAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	-	-	2	3
Aeskulisa (Aesku Diagnostics)	-	1	-	-	1
BIO-FLASH (Inova Diagnostics)	-	-	-	3	3

BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
EIA ENA screen plus (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	8	-	-	-	8
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	-	-	2	1	3
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	12	3	-	-	15
Total	23	4	4	6	37

Sample S002 | SmBAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
BLOT-LINE ANA (TestLine)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	1	-	-	-	1
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	7	-	-	-	7

Sample S002 | SmDAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	-	-	-	1	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	8	-	-	-	8
Immunoblot Euroline (Euroimmun)	2	-	-	-	2
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	1	-	-	-	1
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	15	-	-	1	16

Sample S002 | SSAAb (Ro52+Ro60)

Methodics	Negative	Borderline	Weak positive	Positive	Total
Aeskulisa (Aesku Diagnostics)	1	-	-	1	2
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	16	-	-	1	17
ELISA (Inova Diagnostics)	2	-	-	-	2
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	5	-	-	-	5
Total	27	-	-	2	29

Sample S002 | SSARo52

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	3	-	-	1	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	4	-	-	-	4
Immunoblot Euroline (Euroimmun)	6	3	4	5	18
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	24	3	4	6	37

Sample S002 | SSARo60

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	3	-	-	1	4
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	4	-	-	-	4
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	9	-	1	-	10
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2

Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	28	-	1	1	30

Sample S002 | SSBAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	1	1	-	3
Aeskulisa (Aesku Diagnostics)	1	-	-	1	2
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	17	-	-	-	17
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	3	-	-	-	3
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	16	-	1	-	17
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	1	-	-	-	1
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	51	1	2	1	55

Sample S002 | Scl70Ab

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	16	-	-	-	16
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	3	-	-	-	3
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	16	-	-	-	16
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	54	-	-	-	54

Sample S002 | Jo1Ab

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	16	-	-	1	17
ELISA (Inova Diagnostics)	3	-	-	-	3
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	15	-	-	-	15
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	52	-	-	1	53

Sample S002 | CENP-A

Methodics	Negative	Borderline	Weak positive	Positive	Total
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	1	-	-	-	1
ELISA (Inova Diagnostics)	2	-	-	-	2
Immunoblot Euroline (Euroimmun)	6	-	-	-	6
Microblot-Array ANA (TestLine)	1	-	-	-	1

Total	12	-	-	-	12
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Sample S002 | CENP-B

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	3	-	-	-	3
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	15	-	-	-	15
ELISA (Inova Diagnostics)	1	-	-	-	1
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	16	-	-	-	16
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	1	-	-	-	1
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	48	-	-	-	48

Sample S002 | Rib-P

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
BIO-FLASH (Inova Diagnostics)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	6	-	-	-	6
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	13	-	-	-	13
Immunoblot INNO-LIA (Innogenetics)	2	-	-	-	2
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	31	-	-	-	31

Sample S002 | HistAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	3	1	-	-	4
BLOT-LINE ANA (TestLine)	-	-	-	1	1
ELISA (Inova Diagnostics)	-	-	-	2	2
Immunoblot Euroline (Euroimmun)	-	-	-	17	17
Immunoblot INNO-LIA (Innogenetics)	-	-	-	2	2
Immunoblot (Mikrogen Diagnostik)	-	-	-	2	2
Microblot-Array ANA (TestLine)	-	-	-	1	1
Total	3	1	-	25	29

Sample S002 | RNAPol III

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	8	-	-	-	8
ELISA (Inova Diagnostics)	2	-	-	-	2
Immunoblot Euroline (Euroimmun)	3	-	-	1	4
Total	14	-	-	1	15

Sample S002 | dsDNAAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	2	1	1	-	4
Aeskulisa (Aesku Diagnostics)	-	-	1	-	1
anti-dsDNA (Orgentec Diagnostika)	-	-	-	2	2
BIO-FLASH (Inova Diagnostics)	-	-	-	3	3
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
Crithidia luciliae-DNA Kallestad (Bio-Rad)	1	-	-	-	1
Crithidia luciliae-DNA NOVA Lite (Inova Diagnostics)	-	-	-	3	3
EIA ENA screen plus (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	2	1	-	15	18
ELISA (Aesku Diagnostics)	-	-	1	-	1

ELISA (Euroimmun)	-	-	-	1	1
ELISA (Inova Diagnostics)	-	-	-	1	1
ELISA (Orgentec Diagnostika)	-	-	1	3	4
Immunoblot Euroline (Euroimmun)	14	-	-	-	14
Immunoblot (Mikrogen Diagnostik)	-	1	1	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	21	5	3	30	59

Sample S003 | ANA

Methodics	Negative	Borderline	Weak positive	Positive	Total
Aeskulisa Ana (Aesku Diagnostics)	-	1	-	1	2
ANA Screen CLIA (Immunodiagnostic systems)	-	-	-	1	1
BIO-FLASH (Inova Diagnostics)	-	-	-	2	2
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
Chorus ANA-SCREEN (Diesse)	-	-	-	4	4
ELiA Phadia (Thermo Scientific)	-	-	-	4	4
ELISA (Euroimmun)	-	-	-	2	2
ELISA (Inova Diagnostics)	1	-	-	1	2
ELISA (Orgentec Diagnostika)	-	-	-	4	4
HEP-2 cells (Aesku Diagnostics)	-	-	2	-	2
HEP-2 cells (Biosystems)	1	-	-	-	1
HEP-2 cells (Euroimmun)	2	2	2	10	16
HEP-2 cells (Immco Diagnostics)	-	-	1	-	1
HEP-2 cells (Immuno Concept)	-	-	1	-	1
HEP-2 cells (Inova Diagnostics)	2	-	-	1	3
HEP-2 cells (Zeus Scientific)	1	-	-	1	2
HEP-2 Kallestad (Bio-Rad)	1	-	-	-	1
IFA ANA HEp-2 cells (Zenit)	1	-	-	-	1
Total	9	3	6	32	50

Methodics	Homogenous	Speckled	Cytoplasmic	Other	Total
Fluorescence pattern	1	8	21	1	31

Sample S003 | ENAAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	-	-	-	1	1
Aeskulisa (Aesku Diagnostics)	-	-	-	1	1
BIO-FLASH (Inova Diagnostics)	-	-	-	3	3
EIA ENA screen plus (TestLine)	-	-	-	1	1
ELiA Phadia (Thermo Scientific)	-	-	2	14	16
ELISA (Euroimmun)	-	-	-	1	1
ELISA (Inova Diagnostics)	-	-	-	1	1
ELISA (Orgentec Diagnostika)	-	-	-	2	2
ENA Screen CLIA (Immunodiagnostic systems)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	-	-	-	1	1
Total	-	-	2	26	28

Sample S003 | RNPAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
ELiA Phadia (Thermo Scientific)	17	-	-	-	17
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	3	-	-	-	3
Immunoblot Euroline (Euroimmun)	17	-	-	-	17
Immunoblot INNO-LIA (Innogenetics)	1	-	-	-	1
Immunoblot (Inova Diagnostics)	1	-	-	-	1
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	55	-	-	-	55

Sample S003 | SmAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	3	-	-	-	3
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	3	-	-	-	3
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	9	-	-	-	9
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	3	-	-	-	3
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	15	-	-	-	15
Total	38	-	-	-	38

Sample S003 | SmBAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	1	-	-	-	1
Immunoblot INNO-LIA (Innogenetics)	1	-	-	-	1
Immunoblot (Inova Diagnostics)	1	-	-	-	1
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	8	-	-	-	8

Sample S003 | SmDAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	8	-	-	-	8
Immunoblot Euroline (Euroimmun)	2	-	-	-	2
Immunoblot INNO-LIA (Innogenetics)	1	-	-	-	1
Immunoblot (Inova Diagnostics)	1	-	-	-	1
Immunoblot (Mikrogen Diagnostik)	1	-	-	-	1
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	16	-	-	-	16

Sample S003 | SSAAb (Ro52+Ro60)

Methodics	Negative	Borderline	Weak positive	Positive	Total
Aeskulisa (Aesku Diagnostics)	-	-	-	2	2
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
EIA ENA screen plus (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	1	-	-	16	17
ELISA (Inova Diagnostics)	-	-	-	2	2
ELISA (Orgentec Diagnostika)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	3	-	1	1	5
Total	4	-	1	24	29

Sample S003 | SSARo52

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	-	2	1	4
Aeskulisa (Aesku Diagnostics)	-	-	-	1	1
BIO-FLASH (Inova Diagnostics)	-	-	1	3	4
BLOT-LINE ANA (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	-	-	-	4	4
Immunoblot Euroline (Euroimmun)	-	-	1	17	18
Immunoblot INNO-LIA (Innogenetics)	-	-	-	1	1
Immunoblot (Inova Diagnostics)	-	-	-	1	1
Immunoblot (Mikrogen Diagnostik)	-	1	1	-	2
Microblot-Array ANA (TestLine)	-	-	-	1	1
Total	1	1	5	30	37

Sample S003 | SSARo60

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	4	-	-	-	4
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	10	-	-	-	10
Immunoblot INNO-LIA (Innogenetics)	1	-	-	-	1
Immunoblot (Inova Diagnostics)	1	-	-	-	1
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	29	-	-	1	30

Sample S003 | SSBAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	15	-	-	2	17
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	3	-	-	-	3
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	17	-	-	-	17
Immunoblot INNO-LIA (Innogenetics)	1	-	-	-	1
Immunoblot (Inova Diagnostics)	1	-	-	-	1
Immunoblot (Mikrogen Diagnostik)	1	-	-	-	1
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	53	-	-	2	55

Sample S003 | Scl70Ab

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
BIO-FLASH (Inova Diagnostics)	4	-	-	-	4
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	16	-	-	-	16
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	3	-	-	-	3
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	17	-	-	-	17
Immunoblot INNO-LIA (Innogenetics)	1	-	-	-	1
Immunoblot (Inova Diagnostics)	1	-	-	-	1
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	54	-	-	-	54

Sample S003 | Jo1Ab

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	-	-	-	3	3
Aeskulisa (Aesku Diagnostics)	-	-	-	2	2
BIO-FLASH (Inova Diagnostics)	-	-	-	4	4
BioPlex 2200 ANA Screen (Bio-Rad)	-	-	-	1	1
BLOT-LINE ANA (TestLine)	-	-	-	1	1
EIA ENA screen plus (TestLine)	-	-	-	1	1
EliA Phadia (Thermo Scientific)	2	-	-	15	17
ELISA (Inova Diagnostics)	-	-	-	3	3
ELISA (Orgentec Diagnostika)	-	-	-	1	1
Immunoblot Euroline (Euroimmun)	-	-	-	15	15
Immunoblot INNO-LIA (Innogenetics)	-	-	-	1	1
Immunoblot (Inova Diagnostics)	-	-	-	1	1

Immunoblot (Mikrogen Diagnostik)	1	-	-	1	2
Microblot-Array ANA (TestLine)	-	-	-	1	1
Total	3	-	-	50	53

Sample S003 | CENP-A

Methodics	Negative	Borderline	Weak positive	Positive	Total
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	1	-	-	-	1
ELISA (Inova Diagnostics)	2	-	-	-	2
Immunoblot Euroline (Euroimmun)	6	-	-	-	6
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	12	-	-	-	12

Sample S003 | CENP-B

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
BIO-FLASH (Inova Diagnostics)	3	-	-	-	3
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	15	-	-	-	15
ELISA (Inova Diagnostics)	1	-	-	-	1
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	16	-	-	-	16
Immunoblot INNO-LIA (Innogenetics)	1	-	-	-	1
Immunoblot (Inova Diagnostics)	1	-	-	-	1
Immunoblot (Mikrogen Diagnostik)	1	-	-	-	1
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	48	-	-	-	48

Sample S003 | Rib-P

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
BIO-FLASH (Inova Diagnostics)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	6	-	-	-	6
ELISA (Orgentec Diagnostika)	1	-	-	-	1
Immunoblot Euroline (Euroimmun)	14	-	-	-	14
Immunoblot INNO-LIA (Innogenetics)	1	-	-	-	1
Immunoblot (Inova Diagnostics)	1	-	-	-	1
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	32	-	-	-	32

Sample S003 | HistAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
BLOT-LINE ANA (TestLine)	1	-	-	-	1
ELISA (Inova Diagnostics)	2	-	-	-	2
Immunoblot Euroline (Euroimmun)	17	-	-	-	17
Immunoblot INNO-LIA (Innogenetics)	1	-	-	-	1
Immunoblot (Inova Diagnostics)	1	-	-	-	1
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	29	-	-	-	29

Sample S003 | RNAPol III

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	8	-	-	-	8
ELISA (Inova Diagnostics)	2	-	-	-	2
Immunoblot Euroline (Euroimmun)	4	-	-	-	4

Total	15	-	-	-	15
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Sample S003 | dsDNAAb

Methodics	Negative	Borderline	Weak positive	Positive	Total
AESKUBLOT ANA-17 Pro (Aesku Diagnostics)	4	-	-	-	4
Aeskulisa (Aesku Diagnostics)	1	-	-	-	1
anti-dsDNA (Orgentec Diagnostika)	2	-	-	-	2
BIO-FLASH (Inova Diagnostics)	3	-	-	-	3
BioPlex 2200 ANA Screen (Bio-Rad)	1	-	-	-	1
BLOT-LINE ANA (TestLine)	1	-	-	-	1
Crithidia luciliae-DNA Kallestad (Bio-Rad)	1	-	-	-	1
Crithidia luciliae-DNA NOVA Lite (Inova Diagnostics)	2	-	1	-	3
EIA ENA screen plus (TestLine)	1	-	-	-	1
EliA Phadia (Thermo Scientific)	18	-	-	-	18
ELISA (Aesku Diagnostics)	1	-	-	-	1
ELISA (Euroimmun)	1	-	-	-	1
ELISA (Inova Diagnostics)	1	-	-	-	1
ELISA (Orgentec Diagnostika)	4	-	-	-	4
Immunoblot Euroline (Euroimmun)	15	-	-	-	15
Immunoblot (Mikrogen Diagnostik)	2	-	-	-	2
Microblot-Array ANA (TestLine)	1	-	-	-	1
Total	59	-	1	-	60

Report info

Participants

62 participants from 19 countries.

Report info

The results are divided into groups according to the method stated by the laboratory and presented in laboratory-specific tables. Accepted results are marked with green colour and laboratory's own result with a black radio button . If you have not reported any results you will get a note: "You have not responded in time, only global report is available." Always compare your results to those obtained with the same test method.

For information on report interpretation and performance evaluation, please see the "EQAS Interpretation guidelines" in LabScala User instructions. In case you have any questions regarding the reports, please contact the EQA Coordinator.

External Quality Assessment Scheme

Antinuclear antibodies Round 1, 2023

Specimens

Samples of this EQA round were human plasma or serum. The homogeneity of samples was ensured during the sample preparation. The antibodies are known to be stable and there are no special requirements for their handling or storage. The samples were suitable for the external quality assessment scheme. The materials were sent without temperature control packaging.

The accepted results were as follows:

Sample S001 (LQ717823011)

ANA	Positive
Pattern	Speckled
ENAAb	Positive
SSAAb(Ro52+Ro60)	Positive
SSAAb(Ro52)	Positive
SSAAb(Ro60)	Positive
SSBAb (La)	Weak positive/positive

Sample S002 (LQ717823012)

ANA	Weak positive/positive
Pattern	Homogeneous
ENAAb	Positive
HistAb	Positive
RNPAb	Weak positive/positive

Sample S003 (LQ717823013)

ANA	Borderline/weak positive/positive
Pattern	Cytoplasmic/speckled
ENAAb	Weak positive/positive
Jo-1Ab	Positive
SSAAb(Ro52+Ro60)	Weak positive/positive
SSAAb(Ro52)	Weak positive/positive

Pretest methods: Antinuclear antibodies were analyzed by the indirect immunofluorescence (IF) technique using HEP-2 cells as the substrate. Anti-DNA antibodies were analyzed by a fluorescence enzyme immunoassay (FEIA). Antibodies against extractable nuclear antigens (including some mainly cytoplasmic antigens) (ENA) were analyzed by FEIA and line blotting (LB) techniques.

Report info

Please see the description of the data analysis on the last page of the laboratory-specific reports and global reports. It is important to read the Final report first, because it contains important information of the samples and results in each round.

Comments – Expert

Each sample in this round was positive for ANA and ENA antibodies.

Sample S001 was positive for SSA (Ro52, Ro60) and SSB antibodies and interpreted positive for these with only one exception. A few positive results were reported for RNP antibodies, but negative result reached over 80% consensus.

2023-05-23

FINAL REPORT

Product no. 5900

Subcontracting: Sample pretesting

Samples sent	2023-04-18
Round closed	2023-05-11
Expected results	2023-05-15
Final report	2023-05-23

Request for correction

Typing errors in laboratory's result forms are on laboratory's responsibility. Labquality accepts responsibility only for result processing. Requests must be notified by writing within three weeks from the date of this letter.

Authorized by

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Sample S002 was positive for RNP antibodies (consensus 82%). There was no consensus for dsDNA antibodies, and the result appeared to depend also on the test which was used. Histone antibodies were reported by more than 80% of participants. In ELISA and immunoblot tests measuring a variety of Sm antibodies a number of positive results were reported, while in tests measuring purified SmB or SmD antibodies the result was negative with only one exception.

Sample S003 contained SSA Ro52 and Jo1 antibodies and In Hep-2 cells (ANA). Both cytoplasmic and speckled staining patterns were reported consistent with these antibodies.

Exceptions

No exceptions.

End of report