

## EQA round: AIM2/17 - Autoimmunity

Key: >>> ... marks correct (expected) result  
> ... marks conditionally correct (acceptable) result  
± ... marks the result not evaluated

N ... number of the results  
Nrel ... relative number of the results

## Test

Sample	Group	N	Result	N <sub>rel</sub>
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## Set of samples 1

## (560) ANA screening (cell nucleus) - prove

A1	All results	>>>	70 Negative 3 Positive	96 % 4,1 %
Total per sample: n = 73		Success: 96 %		
B1	All results		1 Negative 1 Inconclusive result (borderline) >>> 71 Positive	1,4 % 1,4 % 97 %
Total per sample: n = 73		Success: 97 %		
Total success: 93 %				

## (572) ANA screening (cell nucleus) - semi-quantity

A1	All results	±	40 titre 0 (not measurable) 19 titre 40 4 titre 80 1 titre 160	63 % 30 % 6,3 % 1,6 %
Total per sample: n = 64		Success (only evaluated results): evaluation		
B1	All results	±	1 Not specified 1 titre 40 4 titre 80 7 titre 320 18 titre 640 25 titre 1280 8 titre 2560	1,6 % 1,6 % 6,3 % 11 % 28 % 39 % 13 %
Total per sample: n = 64		Success (only evaluated results): evaluation		

## (561) ANA - type of fluorescence - nucleus

A1	All results	>>>	65 No fluorescence 1 Unknown type of fluorescence	98 % 1,5 %
Total per sample: n = 66		Success: 98 %		
B1	All results		1 No fluorescence 1 Fine speckled; Homogenous nucleolar pattern 1 Fine speckled; Clumpy nucleolar pattern >>> 41 Homogenous nucleolar pattern > 19 Clumpy nucleolar pattern 1 Clumpy nucleolar pattern; Punctate (speckled) nucleolar pattern 2 Punctate (speckled) nucleolar pattern	1,5 % 1,5 % 1,5 % 62 % 29 % 1,5 % 3,0 %
Total per sample: n = 66		Success: 91 %		
Total success: 91 %				

## (563) ANA screening (cytoplasm) - prove

A1	All results		2 Negative >>> 63 Positive	3,1 % 97 %
Total per sample: n = 65		Success: 97 %		
B1	All results	>>>	63 Negative 2 Positive	97 % 3,1 %
Total per sample: n = 65		Success: 97 %		
Total success: 94 %				

## (573) ANA screening (cytoplasm) - semi-quantity

A1	All results	±	2 Not specified 1 titre 40 1 titre 80 13 titre 160 21 titre 320 20 titre 640 3 titre 1280	3,3 % 1,6 % 1,6 % 21 % 34 % 33 % 4,9 %
Total per sample: n = 61		Success (only evaluated results): evaluation		
B1	All results	±	37 titre 0 (not measurable) 18 titre 40 4 titre 80 1 titre 160 1 titre 320	61 % 30 % 6,6 % 1,6 % 1,6 %
Total per sample: n = 61		Success (only evaluated results): evaluation		

## (564) ANA - type of fluorescence - cytoplasm

A1	All results		2 No fluorescence 1 Granular cytoplasmic pattern (mitochondria) 2 Diffusion cytoplasmic picture >>> 59 Cytoskeletal patterns	3,1 % 1,5 % 3,1 % 91 %
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Sample	Group	N	Result	N <sub>rel</sub>
A1	All results	1	Unknown type of fluorescence	1,5 %
----- Total per sample: n = 65 ----- Success: 91 % -----				
B1	All results	>>> 63	No fluorescence	97 %
		1	Fine speckled cytoplasmic pattern	1,5 %
		1	Diffusion cytoplasmic picture	1,5 %
----- Total per sample: n = 65 ----- Success: 97 % -----				
Total success: 88 %				

## Set of samples 2

## (565) ANCA imunofluorescence - prove

A2	All results	>>> 54	Negative	100 %
----- Total per sample: n = 54 ----- Success: 100 % -----				
B2	All results	>>> 54	Positive	100 %
----- Total per sample: n = 54 ----- Success: 100 % -----				
Total success: 100 %				

## (574) ANCA IF (ethanol) - semi-quantity

A2	All results	± 30	titre 0 (not measurable)	63 %
		± 18	titre 20	38 %
----- Total per sample: n = 48 ----- Success (only evaluated results): evaluation -----				
B2	All results	± 1	Not specified	2,1 %
		± 1	titre 20	2,1 %
		± 11	titre 80	23 %
		± 14	titre 160	29 %
		± 15	titre 320	31 %
		± 6	titre 640	13 %
----- Total per sample: n = 48 ----- Success (only evaluated results): evaluation -----				

## (578) ANCA IF (formalin) - semi-quantity

A2	All results	± 25	titre 0 (not measurable)	60 %
		± 17	titre 20	40 %
----- Total per sample: n = 42 ----- Success (only evaluated results): evaluation -----				
B2	All results	± 1	Not specified	2,4 %
		± 1	titre 20	2,4 %
		± 1	titre 40	2,4 %
		± 2	titre 80	4,8 %
		± 11	titre 160	26 %
		± 19	titre 320	45 %
		± 7	titre 640	17 %
----- Total per sample: n = 42 ----- Success (only evaluated results): evaluation -----				

## (566) ANCA - type of fluorescence

A2	All results	>>> 54	No fluorescence	100 %
----- Total per sample: n = 54 ----- Success: 100 % -----				
B2	All results	>>> 54	Cytoplasmic granular fluorescence	100 %
----- Total per sample: n = 54 ----- Success: 100 % -----				
Total success: 100 %				

## (569) anti-myeloperoxidase

A2	All results	>>> 63	Negative	100 %
----- Total per sample: n = 63 ----- Success: 100 % -----				
B2	All results	>>> 62	Negative	98 %
		1	Positive	1,6 %
----- Total per sample: n = 63 ----- Success: 98 % -----				
Total success: 98 %				

## (570) anti-proteinase III

A2	All results	>>> 63	Negative	100 %
----- Total per sample: n = 63 ----- Success: 100 % -----				
B2	All results	>>> 63	Positive	100 %
----- Total per sample: n = 63 ----- Success: 100 % -----				
Total success: 100 %				

## Set of samples 3

## (580) Anti-ENA/SS-A/Ro-60

A3	All results	>>> 68	Positive	100 %
----- Total per sample: n = 68 ----- Success: 100 % -----				
B3	All results	>>> 66	Negative	97 %
		1	Inconclusive result (borderline)	1,5 %
		1	Positive	1,5 %
----- Total per sample: n = 68 ----- Success: 97 % -----				
Total success: 97 %				

## (581) Anti-ENA/SS-B/La

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Test		N	Result	N <sub>rel</sub>
Sample	Group			
A3	All results	2	Inconclusive result (borderline)	2,9 %
		>>> 66	Positive	97 %
	Total per sample: n = 68	Success: 97 %		
B3	All results	>>> 68	Negative	100 %
	Total per sample: n = 68	Success: 100 %		
Total success: 97 %				
<b>(582) Anti-ENA/Sci-70</b>				
A3	All results	>>> 68	Negative	100 %
	Total per sample: n = 68	Success: 100 %		
B3	All results	>>> 68	Negative	100 %
	Total per sample: n = 68	Success: 100 %		
Total success: 100 %				
<b>(583) Anti-ENA/RNP</b>				
A3	All results	>>> 67	Negative	100 %
	Total per sample: n = 67	Success: 100 %		
B3	All results	>>> 67	Negative	100 %
	Total per sample: n = 67	Success: 100 %		
Total success: 100 %				
<b>(584) Anti-ENA/Jo-1</b>				
A3	All results	>>> 68	Negative	100 %
	Total per sample: n = 68	Success: 100 %		
B3	All results	>>> 68	Negative	100 %
	Total per sample: n = 68	Success: 100 %		
Total success: 100 %				
<b>(585) Anti-centromere antibodies</b>				
A3	All results	>>> 56	Negative	100 %
	Total per sample: n = 56	Success: 100 %		
B3	All results	>>> 56	Negative	100 %
	Total per sample: n = 56	Success: 100 %		
Total success: 100 %				
<b>Set of samples 4</b>				
<b>(588) Anti-ds-DNA immunofluores.</b>				
A4	All results	3	Negative	5,5 %
		>>> 52	Positive	95 %
	Total per sample: n = 55	Success: 95 %		
B4	All results	>>> 53	Negative	96 %
		2	Positive	3,6 %
	Total per sample: n = 55	Success: 96 %		
Total success: 95 %				
<b>(577) Anti-ds-DNA immunofluor. - semi-quantity</b>				
A4	All results	± 1	Not specified	1,9 %
		± 2	titre 0 (not measurable)	3,8 %
		± 1	titre 10	1,9 %
		± 2	titre 40	3,8 %
		± 10	titre 80	19 %
		± 11	titre 160	21 %
		± 11	titre 320	21 %
		± 8	titre 640	15 %
		± 5	titre 1280	9,6 %
		± 1	titre 2560	1,9 %
	Total per sample: n = 52	Success (only evaluated results): evaluation		
B4	All results	± 34	titre 0 (not measurable)	65 %
		± 16	titre 10	31 %
		± 1	titre 160	1,9 %
		± 1	titre 640	1,9 %
	Total per sample: n = 52	Success (only evaluated results): evaluation		
<b>(589) Anti-ds-DNA other methods</b>				
A4	All results	2	Negative	4,1 %
		>>> 47	Positive	96 %
	Total per sample: n = 49	Success: 96 %		
B4	All results	>>> 47	Negative	96 %
		2	Positive	4,1 %
	Total per sample: n = 49	Success: 96 %		
Total success: 96 %				

**Test**

Sample	Group	N	Result	N <sub>rel</sub>
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**Set of samples 5****(591) Anti-nucleosomes IgG**

A5	All results	1	Negative	2,0 %
		1	Inconclusive result (borderline)	2,0 %
		>>> 48	Positive	96 %
----- Total per sample: n = 50		----- Success: 96 %	-----	
B5	All results	>>> 50	Negative	100 %
----- Total per sample: n = 50		----- Success: 100 %	-----	
Total success: 96 %				

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End of report

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