

## EQA round: IHC1/25 - Immunohistochemistry - Detection of HER-2/neu

Deadline: 21.2.2025

Setup: all data

AV = assigned value	N <sub>tot</sub> = total number of the results	N <sub>eva</sub> = number of the results assessed
CVE = consensus of the experts	N <sub>rel</sub> = relative number of the results	N <sub>suc</sub> = number of successful results
>>> ... expected result		S <sub>rel</sub> = relative success
> ... acceptable result		
± ... result not assessed		

Test Sample Group	Frequency of the results				Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
<b>(601) A1 expression HER-2/neu</b>		35			35	35	100
<b>Slide</b>		35			35	35	100
All results	CVE >>>	30	86	Negative (0)			
	CVE >>>	5	14	Negative (1+)			
<b>(602) A2 expression HER-2/neu</b>		37			37	34	92
<b>Slide</b>		37			37	34	92
All results	CVE >>>	15	41	Negative (0)			
	CVE >>>	19	51	Negative (1+)			
		3	8.1	Weak positive (2+)			
<b>(603) A3 expression HER-2/neu</b>		37			37	37	100
<b>Slide</b>		37			37	37	100
All results	CVE >>>	37	100	Strong positive (3+)			
<b>(606) B1 expression HER-2/neu</b>		34			34	33	97
<b>Slide</b>		34			34	33	97
All results	CVE >>>	24	71	Negative (0)			
	CVE >>>	9	26	Negative (1+)			
		1	2.9	Weak positive (2+)			
<b>(607) B2 expression HER-2/neu</b>		37			37	37	100
<b>Slide</b>		37			37	37	100
All results	CVE >>>	32	86	Weak positive (2+)			
	>	5	14	Strong positive (3+)			
<b>(608) B3 expression HER-2/neu</b>		37			0		
<b>Slide</b>		37			0		
All results	±	6	16	Negative (0)			
	±	21	57	Negative (1+)			
	±	10	27	Weak positive (2+)			
<b>(611) C1 expression HER-2/neu</b>		34			34	33	97
<b>Slide</b>		34			34	33	97
All results	CVE >>>	11	32	Negative (0)			
	CVE >>>	22	65	Negative (1+)			
		1	2.9	Weak positive (2+)			
<b>(612) C2 expression HER-2/neu</b>		37			0		
<b>Slide</b>		37			0		
All results	±	3	8.1	Negative (0)			
	±	27	73	Negative (1+)			
	±	7	19	Weak positive (2+)			
<b>(613) C3 expression HER-2/neu</b>		35			0		
<b>Slide</b>		35			0		
All results	±	4	11	Negative (0)			
	±	15	43	Negative (1+)			
	±	16	46	Weak positive (2+)			
<b>(616) D1 expression HER-2/neu</b>		37			37	37	100
<b>Slide</b>		37			37	37	100
All results	CVE >>>	29	78	Weak positive (2+)			
	CVE >>>	8	22	Strong positive (3+)			
<b>(617) D2 expression HER-2/neu</b>		37			37	37	100
<b>Slide</b>		37			37	37	100
All results	CVE >>>	35	95	Weak positive (2+)			
	>	2	5.4	Strong positive (3+)			
<b>(618) D3 expression HER-2/neu</b>		37			37	37	100
<b>Slide</b>		37			37	37	100
All results	CVE >>>	37	100	Strong positive (3+)			
<b>(621) E1 expression HER-2/neu</b>		34			34	32	94
<b>Slide</b>		34			34	32	94
All results	CVE >>>	18	53	Negative (0)			
	CVE >>>	14	41	Negative (1+)			
		2	5.9	Weak positive (2+)			
<b>(622) E2 expression HER-2/neu</b>		37			37	36	97
<b>Slide</b>		37			37	36	97
All results	CVE >>>	13	35	Negative (0)			
	CVE >>>	23	62	Negative (1+)			
		1	2.7	Weak positive (2+)			

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(623) E3 expression HER-2/neu		25			25	25	100
Slide		25			25	25	100
All results	CVE >>>	25	100	Negative (0)			