

EQA round: PDL11/24 - Programmed Death Ligand 1

Deadline: 11.6.2024

Setup: all data

AV = assigned value

N_{tot} = total number of the resultsN_{eva} = number of the results assessed

CVP = consensus of all participants

N_{rel} = relative number of the resultsN_{suc} = number of successful results

>>> ... expected result

S_{rel} = relative success

> ... acceptable result

± ... result not assessed

Test Sample Group	Frequency of the results				Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
1: TNBC							
(604) Physical slide (TNBC SP142)		23			23	18	78
A1		23			23	21	91
All results	CVP >>>	21	91	Negative			
		2	8,7	Positive			
B1		23			23	23	100
All results	CVP >>>	23	100	Positive			
C1		23			23	20	87
All results	CVP >>>	20	87	Negative			
		3	13	Positive			
D1		23			0		
All results	±	6	26	Negative			
	±	17	74	Positive			
(624) Physical slide (TNBC 22C3)		20			20	18	90
A1		20			20	20	100
All results	CVP >>>	20	100	Negative			
B1		20			20	18	90
All results		2	10	Negative			
	CVP >>>	18	90	Positive			
C1		20			20	17	85
All results	CVP >>>	17	85	Negative			
		3	15	Positive			
D1		20			20	17	85
All results	CVP >>>	17	85	Negative			
		1	5	Inconclusive result			
		2	10	Positive			
(605) Virtual slide (TNBC SP142)		39			39	38	97
E1		39			0		
All results	±	26	67	Negative			
	±	13	33	Positive			
F1		39			39	38	97
All results	CVP >>>	38	97	Negative			
		1	2,6	Positive			
G1		39			39	39	100
All results	CVP >>>	39	100	Negative			
H1		39			39	38	97
All results		1	2,6	Negative			
	CVP >>>	38	97	Positive			
2: NSCLC							
(609) Physical slide (NSCLC)		57			57	56	98
A2		57			0		
All results	±	45	79	Negative (TPS < 1)			
	±	11	19	Positive (TPS 1 - 49)			
	±	1	1,8	Positive (TPS ≥ 50)			
B2		57			57	57	100
All results	CVP >>>	20	35	Positive (TPS 1 - 49)			
	CVP >>>	37	65	Positive (TPS ≥ 50)			
C2		57			57	57	100
All results	CVP >>>	57	100	Positive (TPS ≥ 50)			
D2		57			57	56	98
All results		1	1,8	Negative (TPS < 1)			
	CVP >>>	24	42	Positive (TPS 1 - 49)			
	CVP >>>	32	56	Positive (TPS ≥ 50)			
(610) Virtual slide (NSCLC 22C3)		55			55	41	75
E2		55			0		
All results	±	12	22	Negative (TPS < 1)			
	±	39	71	Positive (TPS 1 - 49)			
	±	4	7,3	Positive (TPS ≥ 50)			
F2		55			55	55	100
All results	CVP >>>	55	100	Positive (TPS ≥ 50)			
G2		55			55	47	85
All results	CVP >>>	47	85	Negative (TPS < 1)			
		8	15	Positive (TPS 1 - 49)			

Setup: all data

Test Sample Group	AV	N _{tot}	Frequency of the results		Success			
			N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]	
H2		55				55	48	87
All results	CVP >>>	48	87	Negative (TPS < 1)				
		7	13	Positive (TPS 1 - 49)				
3: UC								
(614) Physical slide (UC)		42				42	39	93
A3		42				42	35	83
All results		7	17	Negative				
	CVP >>>	35	83	Positive				
B3		42				42	41	98
All results	CVP >>>	41	98	Negative				
		1	2,4	Positive				
C3		42				42	37	88
All results		5	12	Negative				
	CVP >>>	37	88	Positive				
D3		42				42	42	100
All results	CVP >>>	42	100	Positive				
(615) Virtual slide (UC 22C3)		41				41	39	95
E3		41				41	41	100
All results	CVP >>>	41	100	Positive				
F3		41				41	39	95
All results		2	4,9	Negative				
	CVP >>>	39	95	Positive				
G3		41				41	37	90
All results	CVP >>>	37	90	Negative				
		4	9,8	Positive				
H3		41				41	39	95
All results	CVP >>>	39	95	Negative				
		2	4,9	Positive				
4: HNSCC								
(619) Physical slide (HNSCC)		44				44	37	84
A4		44				44	44	100
All results	CVP >>>	44	100	Positive				
B4		44				44	37	84
All results		6	14	Negative				
		1	2,3	Inconclusive result				
	CVP >>>	37	84	Positive				
C4		44				0		
All results		± 30	68	Negative				
		± 1	2,3	Inconclusive result				
		± 13	30	Positive				
D4		44				44	44	100
All results	CVP >>>	44	100	Positive				
(620) Virtual slide (HNSCC 22C3)		43				43	38	88
E4		43				43	42	98
All results		1	2,3	Negative				
	CVP >>>	42	98	Positive				
F4		43				43	39	91
All results		4	9,3	Negative				
	CVP >>>	39	91	Positive				
G4		43				0		
All results		± 19	44	Negative				
		± 1	2,3	Inconclusive result				
		± 23	53	Positive				
H4		43				43	41	95
All results		1	2,3	Negative				
		1	2,3	Inconclusive result				
	CVP >>>	41	95	Positive				