

EQA round: PDL11/23 - Programmed Death Ligand 1

Deadline: 30.5.2023

Setup: all data

AV = assigned value

N_{tot} = total number of the resultsN_{eva} = number of the results assessedN_{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)		17			17	15	88
A1		17			17	13	76
All results		1	5,9	Not specified			
		3	18	Negative			
	CVP >>>	13	76	Positive			
B1		17			17	17	100
All results	CVP >>>	17	100	Negative			
C1		17			17	17	100
All results	CVP >>>	17	100	Negative			
D1		17			17	15	88
All results		2	12	Negative			
	CVP >>>	15	88	Positive			
(624) Physical slide (TNBC 22C3)		17			17	11	65
A1		17			17	14	82
All results		3	18	Negative			
	CVP >>>	14	82	Positive			
B1		17			0		
All results	±	8	47	Negative			
	±	1	5,9	Inconclusive result			
	±	8	47	Positive			
C1		17			17	15	88
All results	CVP >>>	15	88	Negative			
		2	12	Positive			
D1		17			17	16	94
All results		1	5,9	Negative			
	CVP >>>	16	94	Positive			
(605) Virtual slide (TNBC)		31			31	30	97
E1		31			0		
All results	±	18	58	Negative			
	±	13	42	Positive			
F1		31			31	30	97
All results	CVP >>>	30	97	Negative			
		1	3,2	Inconclusive result			
G1		31			31	30	97
All results	CVP >>>	30	97	Negative			
		1	3,2	Inconclusive result			
H1		31			0		
All results	±	9	29	Negative			
	±	1	3,2	Inconclusive result			
	±	21	68	Positive			
2: NSCLC							
(609) Physical slide (NSCLC)		50			50	49	98
A2		50			50	41	82
All results		9	18	Negative (TPS < 1)			
	CVP >>>	37	74	Positive (TPS 1 - 49)			
	>	4	8	Positive (TPS ≥ 50)			
B2		50			50	49	98
All results		1	2	Negative (TPS < 1)			
	CVP >>>	19	38	Positive (TPS 1 - 49)			
	CVP >>>	30	60	Positive (TPS ≥ 50)			
C2		50			50	49	98
All results		1	2	Inconclusive result			
	CVP >>>	49	98	Positive (TPS ≥ 50)			
D2		50			50	47	94
All results	CVP >>>	47	94	Negative (TPS < 1)			
		3	6	Positive (TPS 1 - 49)			
(610) Virtual slide (NSCLC)		50			50	48	96
E2		50			0		
All results	±	21	42	Negative (TPS < 1)			
	±	1	2	Inconclusive result			
	±	27	54	Positive (TPS 1 - 49)			
	±	1	2	Positive (TPS ≥ 50)			

Setup: all data

Test Sample Group	Frequency of the results				Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
F2		50			50	50	100
All results	>	1	2	Positive (TPS 1 - 49)			
	CVP >>>	49	98	Positive (TPS >= 50)			
G2		50			50	50	100
All results	CVP >>>	50	100	Positive (TPS >= 50)			
H2		50			50	48	96
All results		2	4	Negative (TPS < 1)			
	CVP >>>	43	86	Positive (TPS 1 - 49)			
	>	5	10	Positive (TPS >= 50)			
3: UC							
(614) Physical slide (UC)		39			39	32	82
A3		39			0		
All results	±	7	18	Negative			
	±	1	2,6	Inconclusive result			
	±	31	79	Positive			
B3		39			39	38	97
All results	CVP >>>	38	97	Negative			
		1	2,6	Inconclusive result			
C3		39			39	32	82
All results		6	15	Negative			
		1	2,6	Inconclusive result			
	CVP >>>	32	82	Positive			
D3		39			39	38	97
All results	CVP >>>	38	97	Negative			
		1	2,6	Inconclusive result			
(615) Virtual slide (UC)		39			39	39	100
E3		39			0		
All results	±	9	23	Negative			
	±	2	5,1	Inconclusive result			
	±	28	72	Positive			
F3		39			39	39	100
All results	CVP >>>	39	100	Negative			
G3		39			39	39	100
All results	CVP >>>	39	100	Positive			
H3		39			0		
All results	±	31	79	Negative			
	±	2	5,1	Inconclusive result			
	±	6	15	Positive			
4: HNSCC							
(619) Physical slide (HNSCC)		35			35	35	100
A4		35			35	35	100
All results	CVP >>>	35	100	Positive			
B4		35			35	35	100
All results	CVP >>>	35	100	Negative			
C4		35			35	35	100
All results	CVP >>>	35	100	Positive			
D4		35			35	35	100
All results	CVP >>>	35	100	Positive			
(620) Virtual slide (HNSCC)		35			35	35	100
E4		35			35	35	100
All results	CVP >>>	35	100	Positive			
F4		35			35	29	83
All results		6	17	Negative			
	CVP >>>	29	83	Positive			
G4		35			35	35	100
All results	CVP >>>	35	100	Negative			
H4		35			35	35	100
All results	CVP >>>	35	100	Positive			