

Cartridge 4-000140

Name	Neg for CTC	Pos for CTC	Neg for CTC	Pos for CTC	Neg for CTC	Pos for CTC	Neg for CTC	Pos for CTC	Neg for CTC	Pos for CTC
Events 1-5	4	2	3	3	0	6	0	6	0	6
Events 6-10	3	3	2	4	6	0	0	6	6	0
Events 11-15	6	0	2	4	0	6	6	0	0	6
Events 16-20	4	2	6	0	2	4	3	3	0	6
Events 21-25	0	6	2	4	2	4	0	6	1	5
Events 26-30	0	6								
Events 31-35										
Events 36-40										

Cartridge 5-000141

Name	Neg for CTC	Pos for CTC	Neg for CTC	Pos for CTC	Neg for CTC	Pos for CTC	Neg for CTC	Pos for CTC	Neg for CTC	Pos for CTC
Events 1-5	6	0	6	0	6	0	0	6	0	6
Events 6-10	6	0	0	6	0	6	6	0	6	0
Events 11-15	6	0	0	6	6	0	0	6	6	0
Events 16-20	0	6	6	0	6	0	6	0	6	0
Events 21-25	6	0	0	6	6	0	6	0	0	6
Events 26-30										
Events 31-35										
Events 36-40										

Commentary

Interpretation of Participant Summary Charts:

The first chart indicates the number of participants reporting Above or Below Cutoff for the respective cartridges. This is the only graded portion of this program. The ***** flagging indicates an incorrect response for that cartridge based on peer consensus and a participant will be penalized for reporting that result.

The rest of the charts indicates the number of participants reporting Positive or Negative for CTC for each individual event for the respective cartridges. Please note that the events are listed horizontally, left to right so that Events 1 - 5 are on the first row, Events 6 - 10 are on the second row, left to right, etc. The gray shade indicates the incorrect response for that event based on peer consensus. When there is no consensus in an event, the event is highlighted yellow. See below for the intended results for the yellow highlighted events.

Please note that the following comments are based on the intended result and may not necessarily reflect the group majority for that event.

Cartridge 000139

Event 4 – CTC – The CK-PE image is intact. If you zoom, you can see the outline of the cytoplasm.

Event 7 – CTC – A Dim DAPI can be seen.

Event 16 – CTC – The CK-PE image is bright enough to bleed. The DAPI is dim but it fits the criteria.

Cartridge 000140

Event 1 – Not a CTC – The CK-PE and DAPI images are the same size.

Event 2 – Not a CTC – Because of the noise it is difficult to determine the true size of the DAPI

Event 6 – CTC – There is a dim DAPI.

Event 7 – CTC – The DAPI image is dim but it fits the criteria and the CK-PE image is bright enough to bleed.

Event 12 – CTC – Bright enough for bleed

Event 16 – Not a CTC – The DAPI image is bigger than the CK-PE image

Event 19 – CTC – DAPI image is dim but fits the criteria

Event 22 – CTC – The CK-PE image is bright enough to bleed into the APC

Event 23 – Not a CTC – There is something in the APC channel and the PE is not bright enough to bleed.

The CK-PE and DAPI images are the same approximate size

Correct responses are defined as those reflecting agreement among 80% or more of all participants.

Shading indicates results which do not agree with peer consensus.

Unacceptable responses are indicated by "*****" on the Flagging line of each specimen.



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PARTICIPANT STATISTICS

2ND QUADRIMESTER 2018

Circulating Tumor Cells

Name	Line No.	Cartridge 1-826068				Cartridge 2-826067			Cartridge 3-000139			Cartridge 4-000140			Cartridge 5-000141			No. of Labs				
		Range & Type	Mean	SD		Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD					
CTC's Counted	1	0 - 2	C	0.0	0.0	0 - 2	C	0.0	0.0	8-19	S	13.2	1.8	13-20	S	16.3	1.2	7-11	C	9.0	0.0	6