

# Test Performance: BinaxNOW Sensitivity by Cycle Threshold

Group	All Ct Values				Ct values ≤ 35				Ct values ≤ 30				Ct values ≤ 25			
	N	True Positive	False Negative	Sensitivity	N	True Positive	False Negative	Sensitivity	N	True Positive	False Negative	Sensitivity	N	True Positive	False Negative	Sensitivity
		(+/+)	(+/-)			(+/+)	(+/-)			(+/+)	(+/-)			(+/+)	(+/-)	
<b>All (Sx ≤7 days &amp; &gt;7 days, ASx)</b>	<b>187</b>	<b>154</b>	<b>33</b>	<b>82.4%</b>	<b>180</b>	<b>154</b>	<b>26</b>	<b>85.60%</b>	<b>143</b>	<b>141</b>	<b>2</b>	<b>98.6%</b>	<b>101</b>	<b>101</b>	<b>0</b>	<b>100%</b>
Pediatric	30	22	8	73.3%	29	22	7	75.90%	21	19	2	90.5%	13	13	0	100%
Adult	157	132	25	84.1%	151	132	19	87.40%	122	122	0	100.0%	88	88	0	100%
<b>Symptomatic (Sx) (≤7 days)</b>	<b>100</b>	<b>96</b>	<b>7</b>	<b>96%</b>	<b>102</b>	<b>96</b>	<b>6</b>	<b>94.1%</b>	<b>89</b>	<b>88</b>	<b>1</b>	<b>98.9%</b>	<b>67</b>	<b>67</b>	<b>0</b>	<b>100%</b>
Pediatric	18	14	4	77.8%	17	14	3	82.40%	13	12	1	92.3%	8	8	0	100%
Adult	85	82	3	96.5%	85	82	3	96.50%	76	76	0	100.0%	59	59	0	100%
<b>Asymptomatic (ASx)</b>	<b>68</b>	<b>47</b>	<b>21</b>	<b>69.1%</b>	<b>62</b>	<b>47</b>	<b>15</b>	<b>75.8%</b>	<b>44</b>	<b>43</b>	<b>1</b>	<b>97.7%</b>	<b>29</b>	<b>29</b>	<b>0</b>	<b>100%</b>
Pediatric	11	7	4	63.6%	11	7	4	63.60%	7	6	1	85.7%	5	5	0	100%
Adult	57	40	17	70.2%	51	40	11	78.40%	37	37	0	100.0%	24	24	0	100%

## Glossary:

Ct: Cycle threshold

TP: True positive (i.e., PCR positive/BinaxNOW positive)

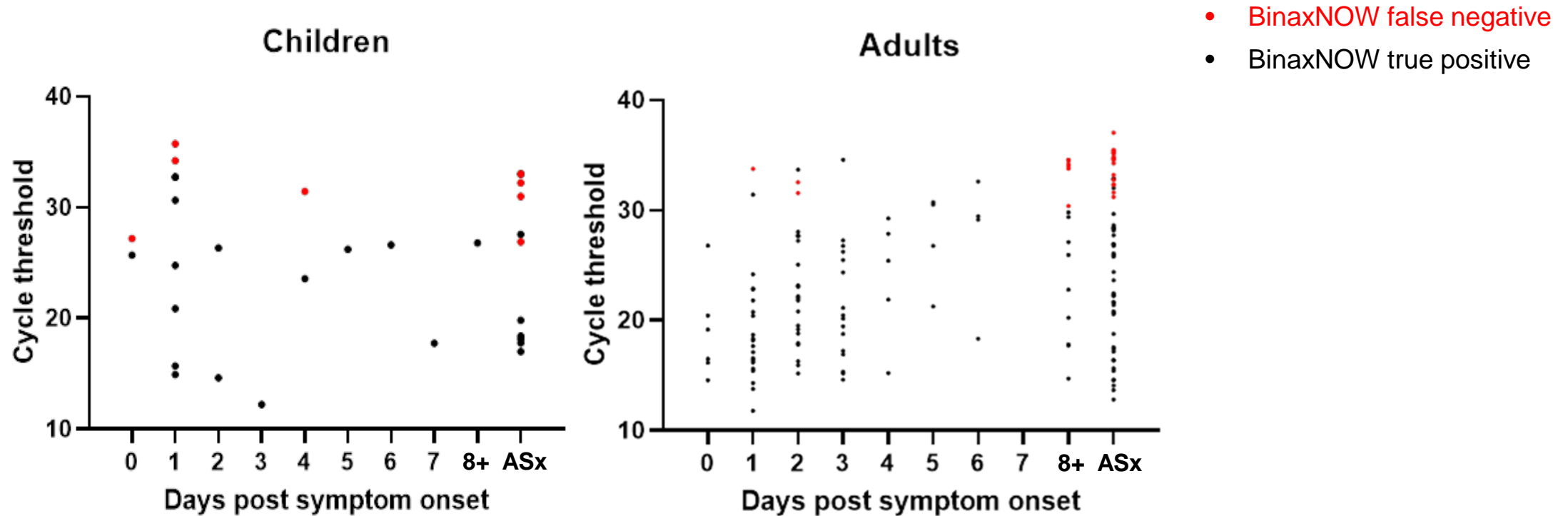
FN: FN, false negative (i.e., PCR positive/BinaxNOW negative)

Sx: Symptomatic

ASx: Asymptomatic

# Test Performance: PCR Cycle Threshold Values by Days Post Symptom Onset

(updated Nov 26, 2020)



By Ct value threshold, BinaxNOW sensitivity in all groups combined (n=187) was 100% with Ct  $\leq 25$ , 98.6% with  $\leq 30$ , and 85.6% with  $\leq 35$ .