

A.

Lane number	Theoretical pH range	Observed pH range
1	Up to 3.6	Up to 4.7
2	3.6 to 4.2	4.7 to 5.1
3	4.2 to 4.7	5.1 to 5.6
4	4.7 to 5.3	5.6 to 6.1
5	5.3 to 5.9	6.1 to 6.5
6	5.9 to 6.5	6.5 to 7.0
7	6.5 to 7.1	7.0 to 7.5
8	7.1 to 7.6	7.5 to 7.9
9	7.6 to 8.2	7.9 to 8.4
10	8.2 to 8.8	8.4 to 8.8
11	8.8 to 9.2	8.8 to 9.3
12	9.2 and upwards	9.3 and upwards

B.

1 2 3 4 5 6 7 8 9 10 11 12