

## Reference Ranges - Neurofilament Light Chain (NfL), Serum

Test ID: NFLC SP

Roche Elecsys age-specific Reference Intervals

Pediatric NfL Reference Intervals		
Age (years)	Lower Limit	Upper Limit
1 to < 2	0.65	3.82
2 to < 3	0.63	3.54
3 to < 4	0.64	3.11
4 to < 5	0.64	2.71
5 to < 6	0.64	2.36
6 to < 7	0.63	2.05
7 to < 8	0.60	1.78
8 to < 9	0.57	1.56
9 to < 10	0.53	1.37
10 to < 11	0.49	1.22
11 to < 12	0.46	1.12
12 to < 13	0.44	1.05
13 to < 14	0.44	1.02
14 to < 15	0.45	1.03
15 to < 16	0.48	1.08
16 to < 17	0.50	1.17
17 to < 18	0.50	1.29
18 to < 19		< 1.02

Adult Reference Intervals			
Age (years)	Upper Limit	Age (years)	Upper Limit
18 to < 19	< 1.02	52 to < 53	< 2.36
19 to < 20	< 1.06	53 to < 54	< 2.42
20 to < 21	< 1.10	54 to < 55	< 2.49
21 to < 22	< 1.14	55 to < 56	< 2.55
22 to < 23	< 1.18	56 to < 57	< 2.62
23 to < 24	< 1.22	57 to < 58	< 2.69
24 to < 25	< 1.26	58 to < 59	< 2.77
25 to < 26	< 1.30	59 to < 60	< 2.84
26 to < 27	< 1.34	60 to < 61	< 2.92
27 to < 28	< 1.37	61 to < 62	< 3.00
28 to < 29	< 1.40	62 to < 63	< 3.08
29 to < 30	< 1.44	63 to < 64	< 3.17
30 to < 31	< 1.46	64 to < 65	< 3.25
31 to < 32	< 1.49	65 to < 66	< 3.34

32 to < 33	< 1.52	66 to < 67	< 3.42
33 to < 34	< 1.55	67 to < 68	< 3.51
34 to < 35	< 1.58	68 to < 69	< 3.59
35 to < 36	< 1.61	69 to < 70	< 3.68
36 to < 37	< 1.64	70 to < 71	< 3.77
37 to < 38	< 1.67	71 to < 72	< 3.86
38 to < 39	< 1.71	72 to < 73	< 3.95
39 to < 40	< 1.75	73 to < 74	< 4.04
40 to < 41	< 1.78	74 to < 75	< 4.13
41 to < 42	< 1.82	75 to < 76	< 4.21
42 to < 43	< 1.87	76 to < 77	< 4.30
43 to < 44	< 1.91	77 to < 78	< 4.39
44 to < 45	< 1.95	78 to < 79	< 4.48
45 to < 46	< 1.99	79 to < 80	< 4.57
46 to < 47	< 2.04	80 to < 81	< 4.66
47 to < 48	< 2.09	81 to < 82	< 4.75
48 to < 49	< 2.14	82 to < 83	< 4.84
49 to < 50	< 2.19	83 to < 84	< 4.93
50 to < 51	< 2.24	84 to < 85	< 5.02
51 to < 52	< 2.30	85+	< 5.10

**To convert Simoa NfL values to Roche Elecsys NfL values please use the following regression equation:  $NfL(Elecsys) = 0.1227 * NfL(Simoa) + 0.1862$**