

**Memo no.:** 2024-005  
**Date:** 09-Feb-2024  
**Memo to:** Clients  
**Re:** Neurofilament Light Chains (NFL) Reference Interval Update

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ICL has been informed that effective 17 January 2024 reference intervals for [Neurofilament Light Chain \(Nfl\), Serum](#) were updated. The updated reference intervals and a sample report are available on our website.

The testing laboratory at The Ottawa Hospital has provided the following information regarding the revision:

Quanterix recently released an update to the V2 version of the Simoa neurofilament light chain assay (Simoa® NF-light™ V2 Advantage Kit) which produces values with a small bias compared with the V2 and V1 assays.

Using in-house correlation data in collaboration with Dr. Jens Kuhle’s laboratory and data from the Swiss Multiple Sclerosis Cohort Study Group (Benkert et al. The Lancet Neurology. 21 (2022) 246-257) revised age-specific upper 95th percentile reference intervals were developed and implemented on January 17, 2024.

Age	Upper 95th Percentile	Age	Upper 95th Percentile	Age	Upper 95th Percentile
17	5.5	40	11.2	63	20.8
18	5.8	41	11.5	64	21.4
19	6.1	42	11.7	65	22.0
20	6.4	43	12.0	66	22.6
21	6.7	44	12.3	67	23.2
22	7.0	45	12.6	68	23.8
23	7.2	46	13.0	69	24.4
24	7.5	47	13.3	70	25.1
25	7.8	48	13.6	71	25.7
26	8.0	49	14.0	72	26.3
27	8.3	50	14.4	73	26.9
28	8.5	51	14.8	74	27.5
29	8.7	52	15.2	75	28.2
30	8.9	53	15.6	76	28.8
31	9.1	54	16.1	77	29.4
32	9.3	55	16.5	78	30.0
33	9.5	56	17.0	79	30.7
34	9.7	57	17.5	80	31.3
35	9.9	58	18.1	81	31.9
36	10.2	59	18.6	82	32.5
37	10.4	60	19.1	83	33.2
38	10.6	61	19.7	84	33.8
39	10.9	62	20.3	85	34.4

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If you have further questions, please contact Client Care at 416-422-3000 ext. 300 or [info@iclabs.ca](mailto:info@iclabs.ca)

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