Increased alpha-synuclein tear fluid levels in patients with Parkinson’s disease

(Supplement)

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General characteristics of Simoa human α-synuclein assay
(as reported by the manufacturer)

Calibration range 0-1,000 pg/mL
Dynamic range 0-10,000 pg/mL
Lower limit of detection 0.955 pg/mL
Lower limit of quantification 4.12 pg/mL
Spike-recovery (serum/plasma) 86.0%
Spike-recovery (CSF) 105.7%
Dilution Linearity (serum) 94.7%
Dilution Linearity (CSF) 88.0%
Typical sample volume 19 μl
Minimum sample volume 2.1 μl

Precision characteristics of Simoa Human α-Synuclein immunoassay
(as reported by the manufacturer)

| Sample          | Mean αSynuclein (pg/mL) | Within Run %CV (n=5) | Between Run %CV (n=5) |
|-----------------|-------------------------|----------------------|-----------------------|
| Serum panel 1   | 1933.4                  | 3.1                  | 3.2                   |
| Serum panel 2   | 3325.0                  | 5.2                  | 2.2                   |
| Serum panel 3   | 563                     | 3.1                  | 2.3                   |