

PRODUCT SPECIFICATION (20-8002)

NF-light™ Serum ELISA RUO

Quanterix™

UmanDiagnostics
A Quanterix Company

- Assay principle:** The UmanDiagnostics NF-light™ Serum ELISA RUO uses two highly specific non-competing monoclonal antibodies. One is immobilized on a solid phase and catches the neurofilament light (NF-L) in solution. The other antibody acts as detector which interacts with the bound protein and gives rise to a signal through biotin – horseradish peroxidase avidin binding. The signal obtained from the calibrator curve corresponds to the amount of NF-L. The sensitivity of the assay is high, detection of NF-L can be performed in the low pg/mL range.
- Intended use:** Intended for research use only, not for use in diagnostic procedures. Nonautomated analysis used for the quantitative determination of the Neurofilament light (NF-L) protein in human serum samples. For professional use only.
- Origin:** The product has been manufactured in Sweden.
- Regulatory status:** Research use only
- Reagent content:**
- Anti-NF-light strip plate S; 1 pcs 96 wells (part no. 67009).
Pre-coated with mouse anti NF-L monoclonal antibody sealed in plastic pouch containing a desiccant bag.
 - Conjugate Diluent S; 1 bottle 12 ml (part no. 67001).
Aqueous buffered biotin free stabilizing solution.
 - Conjugate S; 1 vial 800 µl (part no. 67003).
Streptavidine poly-HRP conjugate in aqueous buffered biotin free stabilizing solution.
 - Detector Ab Diluent S; 1 vial 12 ml (part no. 67002).
Aqueous buffered stabilizing solution.
 - Detector Ab S; 1 vial 450 µl (part no. 67004).
Biotin labelled anti NF-L monoclonal antibody in aqueous buffered biotin free stabilizing solution.
 - ELISA Diluent S; 1 bottle 45 ml (part no. 67006).
Aqueous buffered solution with 0.05% Tween-20, 2% BSA and blockers.

Contact information:

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**Reagent content:
(cont.)**

Human recombinant NF-L Calibrator S, lyophilized; 2 vials (part no. 67010).
Contains full-length Human recombinant neurofilament light protein.

Human recombinant NF-L Positive Control S, lyophilized; 2 vials (part no. 67011).
Contains full-length Human recombinant neurofilament light protein.

Stop Solution S; 1 vial 6 ml (part no. 67008).
H₂SO₄ (8% v/v).

TMB Substrate S; 1 vial 12 ml (part no. 67005).
Aqueous substrate containing tetramethylbenzidine.

Wash Buffer S 10 x solution; 2 bottles 40 ml (part no. 67007).
Aqueous buffered solution with 0.05% Tween-20.

Other components:

Tube for conjugate dilution; 2 pcs (part no. 47026).
Instructions for use; 1 pcs (part no. 57011).
Certificate of analysis.

Preservative:

≤ 0.05% 5-Bromo-5-nitro-1,3-dioxan.

Shelf life:

The shelf life of the kit is printed on the kit box label and can also be found on the included certificate of analysis. The kit should be used within 4 weeks after opening.

Storage:

2-8°C

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