

Assays for SPA PLUS:

The SPA PLUS offers a comprehensive menu for specialist protein testing. In addition, to **Freelite®** and **Hevylite®**, we offer a full range of immunoglobulin, immunoglobulin subclasses and complement assays for the assessment of immune status. This is supplemented by an expanding range of other assays for proteins of clinical significance.

All our assays are fully automated, easy to use and optimized for the SPA PLUS to ensure the best performance.

Key Assay Features:

- **Increase Confidence in Results** – Where required, automated antigen excess checks are designed to prompt for true antigen excess samples
- **Reduced daily Preparation** – Ready-to-use reagents with long on board stabilities.
- **Order Stock with Ease** – Single kit format includes calibrators and controls.

Monoclonal Gammopathies

Name	Product Code	Kit Size	Measuring Range	Sample Type
Freelite Kappa	LK016.S	100 test	0.4 - 1800 mg/L*	Serum, urine
Freelite Lambda	LK018.S	100 test	0.45 - 1650 mg/L	Serum, urine
Freelite Kappa CSF	LK016.L.S	100 test	0.1 - 180 mg/L	Serum, urine, CSF
Freelite Lambda CSF	LK018.L.S	100 test	0.1 - 165mg/L	Serum, urine, CSF
Hevylite IgG Kappa	NK621.S	50 test	0.09 - 160 g/L	Serum
Hevylite IgG Lambda	NK622.S	50 test	0.046 - 118 g/L	Serum
Hevylite IgA Kappa	NK623.S	50 test	0.018 - 67.2 g/L*	Serum
Hevylite IgA Lambda	NK624.S	50 test	0.016 - 62.4 g/L*	Serum

Name	Product Code	Kit Size	Measuring Range	Sample Type
Hevylite IgM Kappa	NK625.S	50 test	0.02 - 45 g/L*	Serum
Hevylite IgM Lambda	NK626.S	50 test	0.018 - 40.5 g/L	Serum

Immunoglobulins

Name	Product Code	Kit Size	Measuring Range	Sample Type
IgG	NK004.S	100 test	0.165 - 140 g/L	Serum
IgA	NK010.S	100 test	0.02 - 28 g/L*	Serum, plasma
IgM	NK012.S	100 test	0.1 - 15 g/L*	Serum, plasma
IgD	LK013.S	100 test	7 -210 mg/L*	Serum
IgE	LK014.S	100 test	30 - 1500 IU/mL	Serum, plasma

Subclasses

Name	Product Code	Kit Size	Measuring Range	Sample Type
IgG1	NK006.S.	100 test	0.15 - 144 g/L	Serum
IgG2	NK007.S.	100 test	0.02 - 28 g/L	Serum
IgG3	LK008.S.	100 test	0.0055 - 4 g/L	Serum
IgG4	LK009.S.	100 test	0.003 - 3.4 g/L	Serum

Name	Product Code	Kit Size	Measuring Range	Sample Type
IgA1	NK087.S	50 test	30 - 6000 mg/L	Serum
IgA2	LK088.S	50 test	5 - 1250 mg/L	Serum

Complement

Name	Product Code	Kit Size	Measuring Range	Sample Type
C1 Inactivator	NK019.S.	50 test	0.06 - 0.8 g/L	Serum, plasma
C3c	NK023.S	100 test	0.025 - 6 g/L	Serum
C4	NK025.S	100 test	0.0064 - 1.8 g/L	Serum
CH50 Reagent	NK095.S	200 test	12 - 95 U/mL*	Serum

Central Nervous System Disorders

Name	Product Code	Kit Size	Measuring Range	Sample Type
Albumin CSF	NK032.L.S	60 test	17 - 2700 mg/L	Serum, CSF
Freelite Kappa CSF	LK016.L.S	100 test	0.1 - 180 mg/L	Serum, urine, CSF
Freelite Lambda CSF	LK018.L.S	100 test	0.1 - 165 mg/L	Serum, urine, CSF
IgG CSF	NK004.L.S	60 test	4.2 - 1350 mg/L	CSF
IgA CSF	LK010.L.S	60 test	0.15 - 48 mg/L	CSF

Name	Product Code	Kit Size	Measuring Range	Sample Type
IgM CSF	LK012.L.S	60 test	0.3 - 70 mg/L	CSF

Renal Function

Name	Product Code	Kit Size	Measuring Range	Sample Type
Albumin	NK032.S	100 test	0.1 - 154 g/L	Serum
β 2-Microglobulin	LK043.S	100 test	0.03 - 40 mg/L*	Serum, urine
β 2-Microglobulin urine	LK043.U.S	100 test	0.03 - 20 mg/L*	Urine
Cystatin C	LK048.S	100 test	0.4 - 14.7 mg/L	Serum, plasma
Microalbumin	NK032.U.S	100 test	11 - 3440 mg/L*	Urine

Specific Proteins

Name	Product Code	Kit Size	Measuring Range	Sample Type
α -1-Acid Glycoprotein	NK063.S	100 test	0.19 - 6 g/L	Serum
α -1-Antitrypsin	NK034.S	100 test	0.35 - 5 g/L	Serum
α -2-Macroglobulin	NK039.S	100 test	0.2 - 6.4 g/L	Serum
Anti-Streptolysin O	LK189.S	100 test	5 - 1600 IU/mL	Serum
CRP	NK044.S	100 test	5 - 2000 mg/L	Serum, plasma

Name	Product Code	Kit Size	Measuring Range	Sample Type
Caeruloplasmin	NK045.S	50 test	0.03 - 1.64 g/L	Serum
Ferritin	LK055.S	100 test	7 -868 ng/mL	Serum, plasma
frCRP	LK044.S	100 test	0.2 - 402 mg/L	Serum, plasma
Haptoglobin	NK058.S	100 test	0.026 - 8 g/L	Serum, plasma
Lipoprotein (a)	LK098.S	100 test	7 - 180 mg/dL	Serum, plasma
Prealbumin	NK066.S	100 test	0.006 - 0.8 g/L	Serum
Rheumatoid Factor	LK151.S	100 test	7 - 1040 IU/mL	Serum
Tetanus Toxoid	LK710.S	1000 test	1.56 - 50 IU/mL	Plasma
Transferrin	NK070.S	100 test	0.14 - 22.4 g/L	Serum

*For these assays a validated extended measuring range is achievable by re-running with a manual pre-dilution. Please see the package insert for assay-specific manual dilution protocols.