

Optilite[®]

Proven and dedicated protein analyser

Simplified workflow for special protein testing



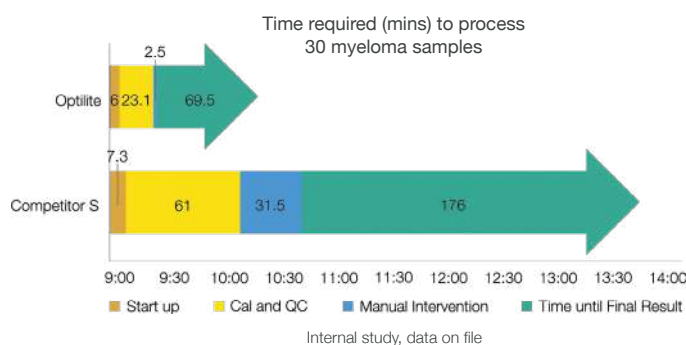
Optimised. Dedicated. True Protein Leadership.

Experience our unique portfolio

To deliver the best service to your clinicians, special protein testing requires consistently high-quality results with predictable, short turnaround times. The Optilite system features fully automated dilutions plus random access for samples and reagents enabling a streamlined workflow for your entire laboratory. Optilite analyser users around the world have achieved this by running special proteins on a dedicated analyser.

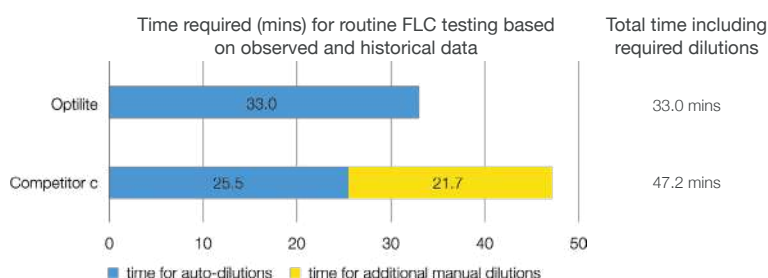
The Optilite analyser utilises proven turbidimetric technology which is known to be fast, robust and versatile, becoming the main technology for protein diagnostics worldwide. Combining the Optilite system's ease of use with Binding Site's high-quality latex-enhanced assays gives peace of mind and the freedom to allocate time and resources in the most efficient way.

- ✔ Partner with one single provider for scientific expertise and technical support
- ✔ Save valuable staff time by eliminating manual dilutions and unparalleled ease of use
- ✔ Begin testing earlier with daily start-up taking less than 10 minutes
- ✔ Improve time to end result with consistent throughput and high instrument uptime
- ✔ Avoid unnecessary reagent waste with wide measuring ranges, large dilution steps, on-board cooling and long open-vial reagent stability

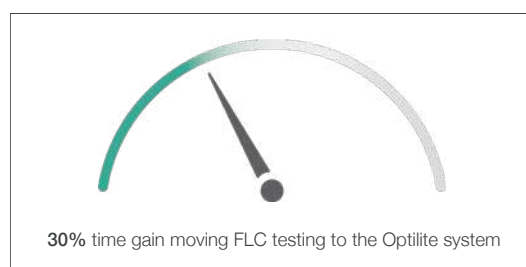


"We needed an analyser that could run these special protein assays quickly and efficiently, which led to the decision to move them to the Optilite as a stand alone analyser - The biggest benefit we have seen is to our workflow".

- Peterborough City Hospital, UK



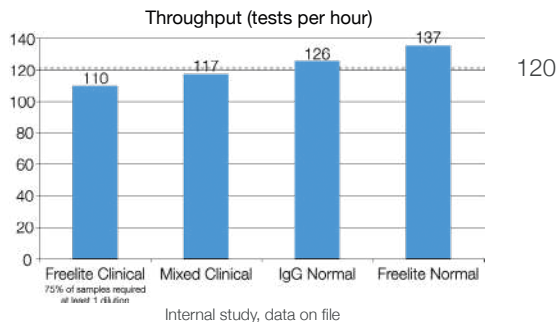
Study by Hennepin County Medical Center, Minneapolis, USA
(Presented at the 2021 AACC Annual Scientific Meeting & Clinical Lab Expo)



Load. Start. Results.

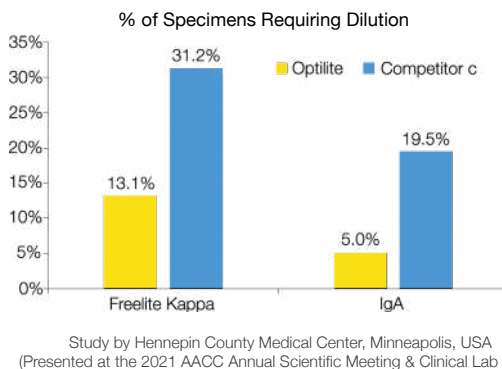
Operational efficiency

- ✔ Quick time to reportable result with fewer, fully automated dilutions
- ✔ Reagent and time savings using large dilution steps and wide measuring ranges
- ✔ Self-contained benchtop analyser, simplifying installation
- ✔ Full flexibility through continuous loading and unloading of samples and reagents
- ✔ Maximise productivity with fast and consistent throughput regardless of assay mix
- ✔ Easy to use software and bi-directional LIS-interface



The workflow scheduling software handles complex workloads maximizing throughput irrespective of the sample mix. In a clinical setting the Optilite analyser achieves an average throughput of 120 tests per hour.

nota explicativa



Our wide measuring ranges reduce the need for dilutions by up to 75% compared to alternative methods. Any remaining dilutions are done automatically removing any manual intervention.

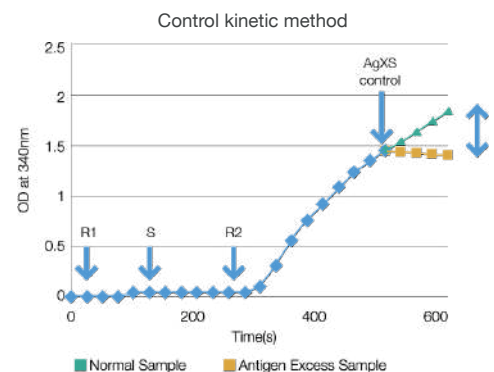
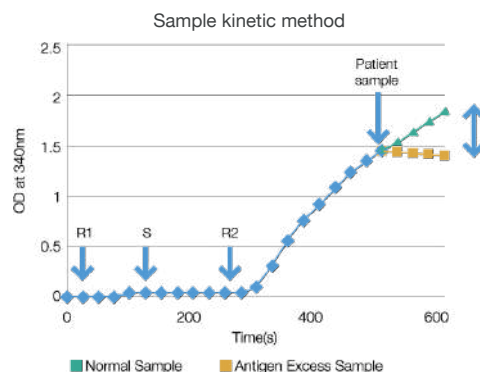
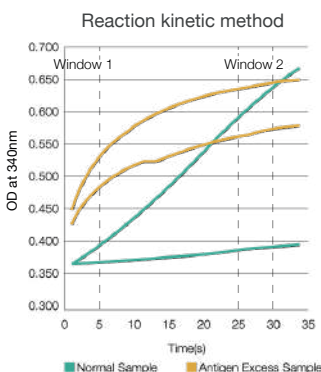
“Automatic dilutions to end result saves us a lot of time and eliminates the needs to have regular manual dilutions, or have them checked”.

- Peterborough City Hospital, UK



Consistent quality

- ✔ Excellent reliability with a mean-time between failure greater than nineteen months*
- ✔ Eliminate carry-over and cuvette degradation with disposable cuvettes
- ✔ Assay protocols optimised with one of three automated antigen excess detection methods
- ✔ Efficient reagent management with on-board cooling and up to three months open vial stability
- ✔ Full barcoded traceability of reagents, calibrators and controls
- ✔ IVDR compliant and supports ISO 15189 accreditation



* based on 12 months global data between January and December 2021

Key technical specifications

Instrument dimensions and weight	37" / 940mm (W) 27.6" / 700mm (D) 24.4" / 620mm (H) 242lbs / 110kg
Water requirements	Max 2.5 L / hour De-ionised water
Barcode compatibility	Code 128 Code 39 USS Codabar Interleaved 2 of 5
Interface	LIS connectivity (RS-232C bi-directional interface)

Sample tubes dimensions	0.5 mL, 2.0 mL cups and sample tubes (diameter 12 - 16 mm, length 75 - 100 mm)
Loading capacity	54 sample positions 36 dual-reagent positions 360 self-loading cuvettes
Sample types	Serum Plasma Urine CSF STAT

Unique menu with over 50 assays

3 methods for antigen excess detection

Fully automated dilutions to end result

Compact, robust benchtop analyser

Fast and consistent throughput

Service and support excellence



- Y Monoclonal Gammopathies
- Y Immunoglobulins
- Y Ig Subclasses
- Y Complement
- Y Central Nervous System Disorders
- Y Renal Function
- Y Specific Proteins



Optimised. Dedicated. True protein leadership.

Find out how your laboratory can benefit by contacting
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The Optilite menu includes the following range of assays, calibrators, controls and accessories. Please refer to your local Binding Site representative for details of availability.

Assay Menu

Monoclonal Gammopathies

	Pack	Code	Complement	Pack	Code
Freelite® Kappa Free Kit	100	LK016.OPT	C1 Inactivator Kit	50	NK019.OPT
Freelite Lambda Free Kit	100	LK018.OPT	C3c Kit	100	NK023.OPT
Hevylite® IgG Kappa Kit	50	NK621.OPT	C4 Kit	100	NK025.OPT
Hevylite IgG Lambda Kit	50	NK622.OPT	CH50 Reagent	100	NK095.OPT*
Hevylite IgA Kappa Kit	50	NK623.OPT			
Hevylite IgA Lambda Kit	50	NK624.OPT			
Hevylite IgM Kappa Kit	50	NK625.OPT			
Hevylite IgM Lambda Kit	50	NK626.OPT			

Immunoglobulins

	Pack	Code			
IgG Kit	100	NK004.OPT			
IgA Kit	100	NK010.OPT			
IgM Kit	100	NK012.OPT			
IgD Kit	100	LK013.OPT			
IgE Reagent	100	LK014.OPT*			

Subclasses

	Pack	Code			
IgG1 Kit	100	NK006.OPT			
IgG2 Kit	100	NK007.OPT			
IgG3 Kit	100	LK008.OPT			
IgG4 Kit	100	LK009.OPT			
IgA1 Kit	50	NK087.OPT			
IgA2 Kit	50	LK088.OPT			

Renal Function

	Pack	Code			
Albumin Kit	100	NK032.OPT			
Low Level Albumin Kit	100	NK032.L.OPT			
Alpha-1-microglobulin Urine Kit	100	NK036.U.OPT			
Alpha-2-macroglobulin Urine Kit	100	NK039.U.OPT			
Beta-2-microglobulin Kit	100	LK043.OPT			
Beta-2-microglobulin Urine Kit	100	LK043.L.OPT			
Cystatin C Kit	100	LK048.OPT			
Low Level IgG Kit	60	NK004.LL.OPT			
Transferrin Urine Kit	100	NK070.U.OPT			

Central Nervous System Disorders

	Pack	Code
Freelite Mx™ Kappa Free Kit	100	LK016.M.OPT
Freelite Mx™ Lambda Free Kit	100	LK018.M.OPT
Low Level Albumin Kit	100	NK032.L.OPT
Low Level IgG Kit	60	NK004.LL.OPT
IgA CSF Kit	60	LK010.L.OPT
IgM CSF Kit	60	LK012.L.OPT

Others

	Pack	Code
Alpha-1-acid glycoprotein Kit	100	NK063.OPT
Alpha-1-antitrypsin Kit	100	NK034.OPT
Alpha-2-macroglobulin Kit	100	NK039.OPT
Anti-streptolysin O Kit	100	LK189.OPT
Anti-Tetanus Toxoid	200	LK110.OPT
Immunoglobulin Kit		
Apolipoprotein A-1 Reagent	100	NK085.OPT*
Apolipoprotein B Reagent	100	NK086.OPT*
Caeruloplasmin Kit	50	NK045.OPT
C-reactive Protein Reagent	100	NK044.OPT*
High Sensitivity C-reactive Protein Kit	100	LK044.L.OPT
Haptoglobin Kit	100	NK058.OPT
Lipoprotein(a) Reagent	100	LK098.OPT*
Prealbumin Kit	100	NK066.OPT
Rheumatoid Factor Kit	100	LK151.OPT
Total Protein Reagent	100	NK061.OPT*
Transferrin Kit	100	NK070.OPT

Calibrators & Controls

Calibrators	Pack	Code	Controls	Pack	Code
Apolipoprotein A-1 Calibrator	2	NC085.OPT	Apolipoprotein A-1 Controls	2 sets	NQ085.OPT
Apolipoprotein B Calibrator	2	NC086.OPT	Apolipoprotein B Controls	2 sets	NQ086.OPT
CH50 Calibrator	3	NC095.OPT	CH50 Controls	4 sets	NQ095.OPT
C-reactive Protein Calibrator	2	NC044.OPT	C-reactive Protein Controls	2 sets	NQ044.OPT
IgE Calibrator	2	NC014.OPT	IgE Controls	2 sets	NQ014.OPT
Lipoprotein(a) Calibrator	2	NC098.OPT	Lipoprotein(a) Controls	2 sets	NQ098.OPT
Total Protein Calibrator	2	NC061.OPT	Total Protein Controls	2 sets	NQ061.OPT

Analyser & Accessories

Description	Pack	Code	Description	Pack	Code
Optilite	1	IE700	Diluent 1	6	IK709
TENCELL™ Cuvettes	10800	IK702	Diluent 2	6	IK710
Washing Solution (20mL)	4	IK703	Diluent 3	3	IK711
Washing Solution (100mL)	6	IK704	Cal QC Rack	3	IK712
Tubing Maintenance Solution	6	IK705	Sample Rack (7 position)	6	IK713
Special Wash	6	IK707	Sample Rack (9 position)	6	IK714
			Sample Rack (9 position) - Blue	3	IK716
			0.5ml Sample Cups	1000	989220



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www.bindingsite.com
to find your local office or representative in over 80 countries

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