HELENA LABORATORIES

SPIFE TOUCH > QUICKSCAN TOUCH > ESH TOUCH > SPIFE 4000

SPIFE Touch™

The new SPIFE Touch is the nucleus of the new Helena Touch Series. SPIFE Touch features an easy-to-use interface for test selection and customization of parameters, fast processing and organized workflow, positive ID with "lockout" and an extensive menu of tests and gel sizes to meet the needs of most laboratories.

• Accurate application of up to 100 samples per gel
• Precise temperature control
• Efficient staining and auto reagent application
• Integrates seamlessly with ESH Touch and QuickScan Touch for efficient workflow

ESH TOUCH

SPIFE TOUCH

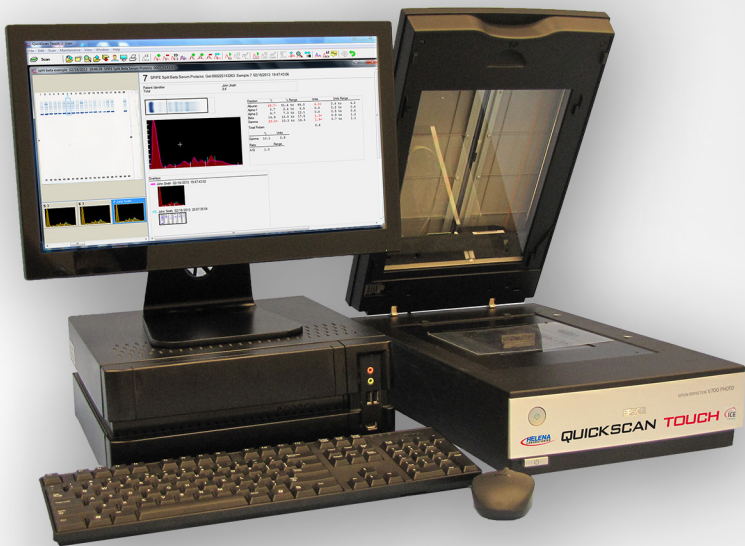# INTEGRATED SOLUTIONS

ESH Touch™

ESH Touch provides automated front-end specimen processing for the SPIFE Touch with positive patient ID and interface to QuickScan Touch or LIS.

• User-friendly touch screen interface
• Primary tube sampling with liquid level sensor
• 100-sample capacity
• Flexible dilutions, i.e. per sample
• Barcode reader with LIS interface

QuickScan Touch™

QuickScan Touch builds on the proven success of the QuickScan series with new features like myeloma tracking software, reverse imaging, adjustable contrast and brightness, and mid-spike cursor positioning for auto-demarcation. Data handling is a breeze too with essentially unlimited demographics, tests, comments and customizable worklists.

The **new myeloma tracking** feature unifies current and historical patient data into a single portal for interpreting, tracking and reviewing results. It's a "game changer."
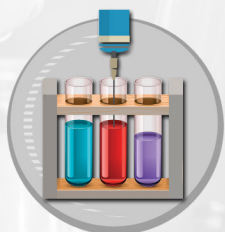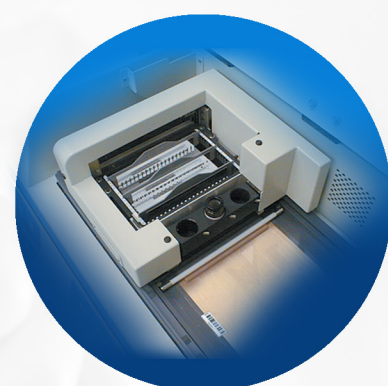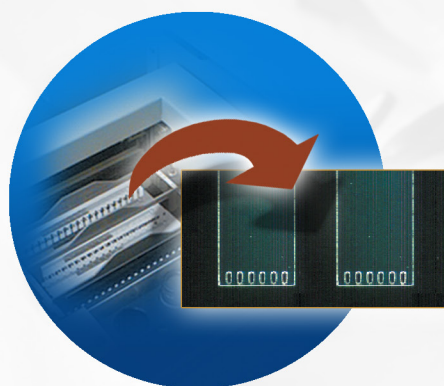
MYELOMA TRACKING

QUICKSCAN TOUCH

POSITIVE ID

AUTO SAMPLING

AUTO PROCESSING

EASY SCANNING

SPIFE TOUCH

The New Touch Series™

SPIFE Touch is the newest electrophoresis analyzer to join the Helena Touch Series. SPIFE Touch builds on the proven track record of the SPIFE, but is 30% faster, uses lower stain and destain volumes and has an intuitive touch screen interface. With SPIFE Touch, you don't have to choose between efficiency and high sensitivity. You get it all: an organized workflow, a broad test menu which includes proteins, IFE, IEF, cholesterol, isoenzymes and hemoglobins, gel sizes ranging from 10 to 100 samples and high sensitivity zone electrophoresis suitable for the most complex patient populations.

Touch Screen

Easy-to-use interface for test selection and customization of parameters.
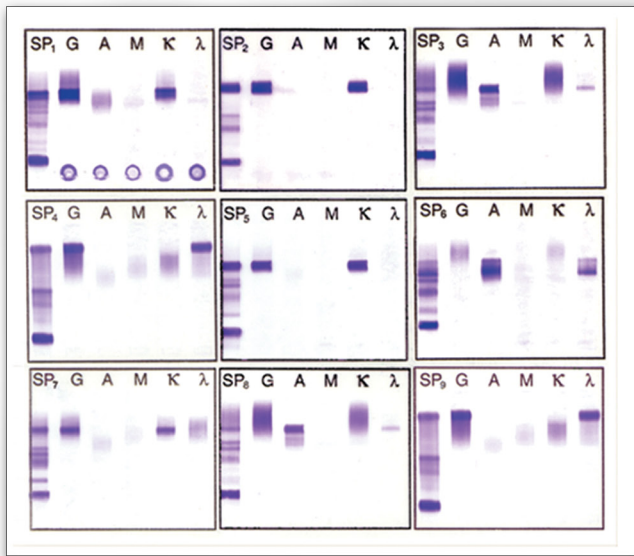
Positive ID

Integrates with ESH Touch for positive ID from primary tube to sample tray to electrophoresis gel.

Auto Sampling

New applicator blades provide fast, clean and accurate sampling from tray to gel.

Efficient Staining and Reagent Application

An online stainer and integrated reagent applicator provide efficient visualization for both enzymatic or visual analytes.

SPIFE ImmunoFix

- 1, 2, 3, 6, 9 and 15 sample gels handle a wide range of needs, providing maximum throughput of up to 210 profiles in an 8-hour shift

- Multi-channel pipetting simplifies application of color-coded antisera

- Affinity and avidity of antisera balanced for highest sensitivity with least amount of background blush

- Resolution and sensitivity of gels provide tight, crisp bands

- Acid violet stain enhances visualization

IMMUNOFIX

ImmunoFix
Cat. No. 3408 -   15 profile
Cat. No. 3409 -   9 profile
Cat. No. 3401 -   6 profile
Cat. No. 3406 -   3 profile
Cat. No. 3351 - 1/2 profile

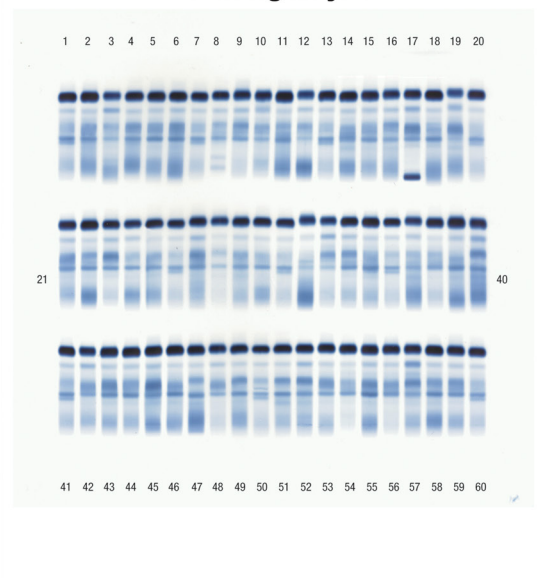# PROTEINS

Split-Beta
Cat. No. 3398 -   100 sample
Cat. No. 3399 -   80 sample
Cat. No. 3420 -   60 sample
Cat. No. 3421 -   40 sample
Cat. No. 3422 -   20 sample
Cat. No. 3350 - 10/20 sample

Classic
Cat. No. 3460 - 60 sample
Cat. No. 3461 - 40 sample
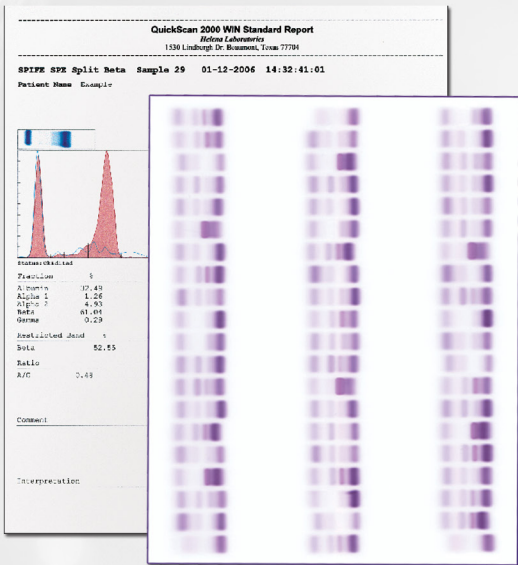Cat. No. 3462 - 20 sample
Cat. No. 3405 - 10 sample

SPIFE Proteins

While some laboratorians prefer classic serum and urine protein separations, others prefer a split-beta separation. Both are available on the SPIFE system, in gel sizes to suit any testing volume.

- Serum applied neat, no dilutions

- Application system is unaffected by triglycerides or large proteins

- Active cooling provides excellent separation without protein degradation

- 10, 20, 40, 60, 80 and 100-sample gels suit any laboratory need

QuickScan 2000 WIN Standard Report
Helena Laboratories
1530 Lindbergh Dr. Beaumont, Texas 77704

SPIFE SPE Split Beta Sample 29 01-12-2006 14:32:41:01
Patient Name Example

SPIFE Cholesterol

Directly measure **HDL, LDL** and **VLDL** cholesterol along with **Lp(a)** cholesterol in a single run with excellent correlation to ultracentrifugation and a favorable reimbursement margin. SPIFE Cholesterol provides a "broadcut" LDL, like the CDC reference method, with no fasting. And SPIFE Lp(a) is a superior predictor of coronary disease.

Lp(a)-c Proven Risk Indicator

Angiography was performed on **504 patients,** including **271** with **>50% stenosis,** along with SPIFE Cholesterol, Lp(a)-mass and other risk markers. SPIFE Lp(a)-c proved a significant predictor of CHD risk, while Lp(a)-mass was irrelevant.* Four years later, 466 of the initial 504 patients were available for followup. SPIFE Lp(a)-c remained the clear winner for predicting cardiovasular events.[+] **It's important to know your Lp(a)!** Call us today to schedule an in-lab SPIFE Cholesterol screening.

*Baudhuin, et al. Clin Chem 2003, Vol 49:6, Suppl, F-61.
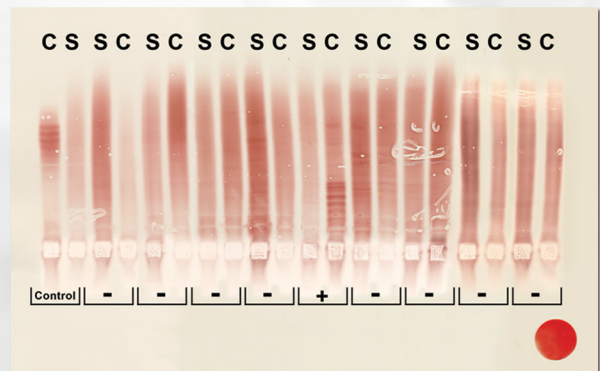[+]McConnell, et al, Circulation 2007 116: II 818

Cholesterol Profile

Cat. No. 3438 -   100 sample
Cat. No. 3439 -   80 sample
Cat. No. 3440 -   60 sample
Cat. No. 3441 -   40 sample
Cat. No. 3442 -   20 sample
Cat. No. 3443 - 10/20 sample

SPIFE TOUCH SYSTEM

SPIFE IgG IEF for Multiple Sclerosis

Laboratory detection of intrathecal IgG synthesis is considered essential for diagnosing **multiple sclerosis.** This gold standard technique uses the **SPIFE system** to perform isoelectric focusing on cerebrospinal fluid and serum followed by immunoblotting to detect the presence of oligoclonal bands. Both 5-profile and new 10-profile gels are available.

• Uses unconcentrated CSF

• More sensitive than high resolution electrophoresis or nephelometry

• Resolution superior to other IEF methods

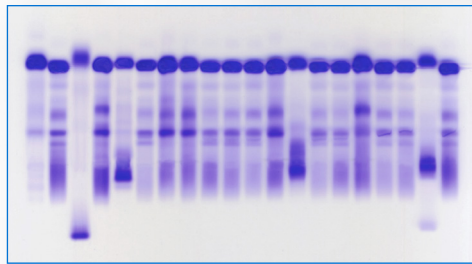• Suitable for routine clinical use
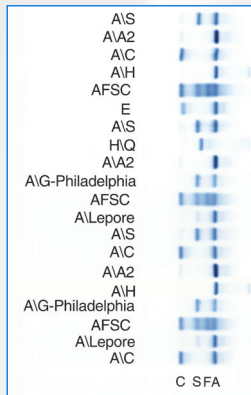

S = Serum   C = CSF

Cat. No. 3389 - 5 profiles
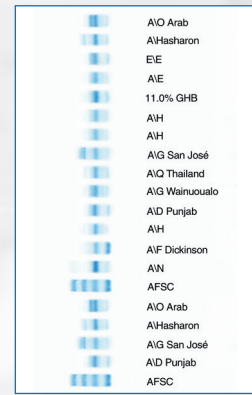Cat. No. 3385 -10 profiles

Hi-Res Proteins

Cat. No. 3430 - 20 sample

Alk Hgb

A\S
A\A2
A\C
A\H
AFSC
E
A\S
H\Q
A\A2
A\G-Philadelphia
AFSC
A\Lepore
A\S
A\C
A\A2
A\H
A\G-Philadelphia
AFSC
A\Lepore
A\C

C S F A

Cat. No. 3415 -   20 sample
Cat. No. 3429 -10/20 sample

Acid Hgb

A\O Arab
A\Hasharon
E\E
A\E
11.0% GHB
A\H
A\H
A\G San José
A\Q Thailand
A\G Wainuoualo
A\D Punjab
A\H
A\F Dickinson
A\N
AFSC
A\O Arab
A\Hasharon
A\G San José
A\D Punjab
AFSC

Cat. No. 3418 -   20 profiles
Cat. No. 3419 -10/20 profiles

MORE SPIFE ASSAYS

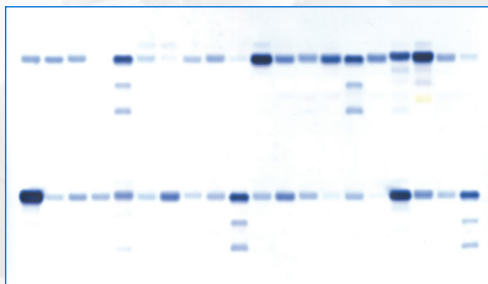HI-RES PROTEINS

LIPOPROTEINS

ALKALINE PHOSPHATASE

HGB IEF

ALK HGB

LD ISOENZYMES

CK ISOENZYMES

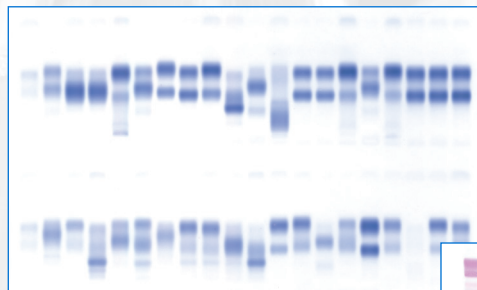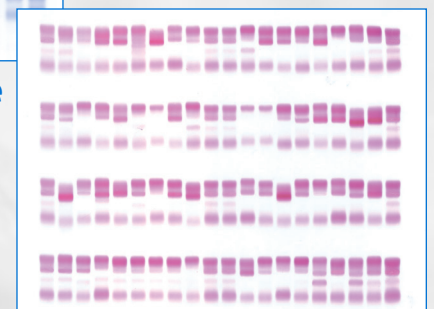ACID HGB

CK Isoenzymes

Cat. No. 3332 -   40   sample
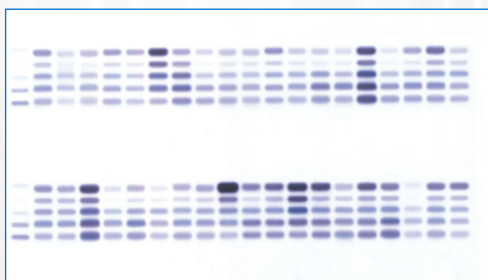Cat. No. 3333 -   20   sample
Cat. No. 3334 - 10/20   sample

Alkaline Phosphatase

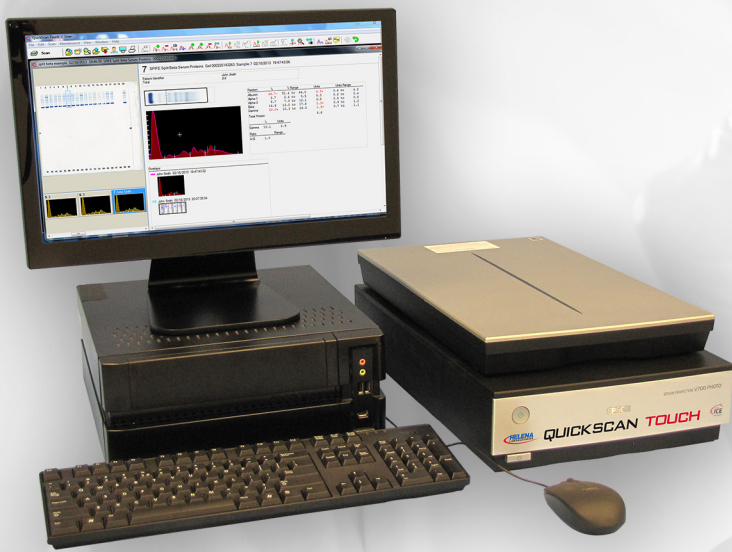Cat. No. 3346 - 40 sample
Cat. No. 3345 - 20 sample

LD Isoenzymes

Cat. No. 3335 -   60   sample
Cat. No. 3336 -   40   sample
Cat. No. 3337 -   20   sample
Cat. No. 3338 - 10/20   sample

Lipoproteins

Cat. No. 3340 - 80 sample
Cat. No. 3341 - 60 sample
Cat. No. 3342 - 40 sample
Cat. No. 3343 - 20 sample

QuickScan Touch

Touch the screen and automatically demarcate the M-spike. Swipe the slider and reverse the pattern image for easier analysis. Automatically overlay previous patient results from a massive data store. These are just a few features of the newest QuickScan densitometer.

QUICKSCAN TOUCH

New Myeloma Tracking Module – this new addition unifies each patient's current and historical electrophoresis and supportive data into a single portal for interpreting, tracking and reviewing results. Scrollable and clickable thumbnails allow quick review of all results to detect progression or regression of disease.

High Def Touch Screen – Sharper patterns and adjustable contrast and brightness enhance visualization of small bands. The touch screen makes for easy menu navigation, scanning and editing.
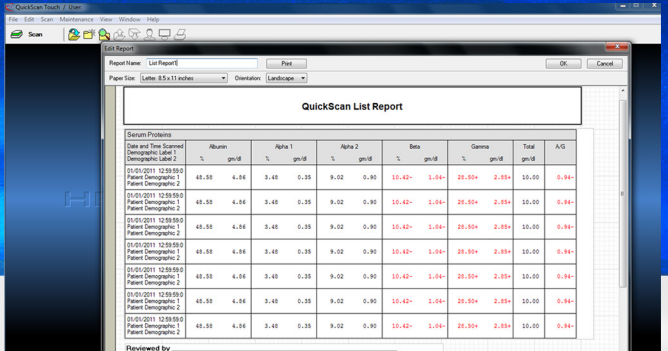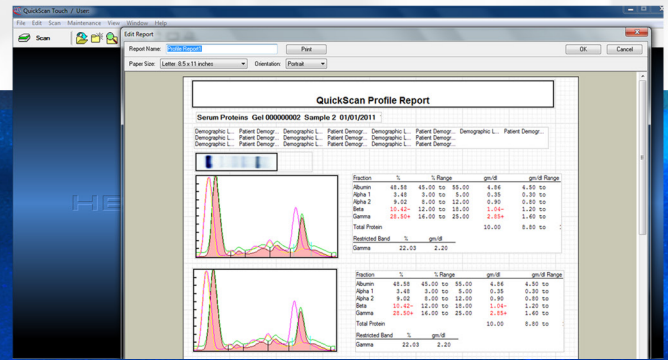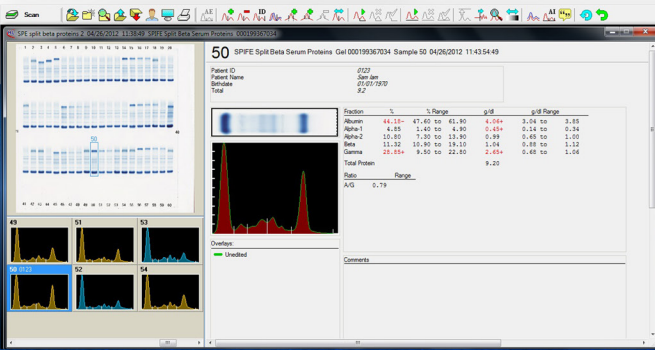
New Reverse Image – Invert the background of IFE images onscreen to create a "negative" view to enhance visualization and aid in interpretation. View simultaneously with positive image system.

Easy M-Spikes – Place cursor in the middle of the M-spike and the system auto delimits. This provides greater consistency between users. Users can adjust marks.

User Access – Set access for each user's ability to edit patient info or scans, import or export, print, change setup or work list settings or change calibration. User IDs are stored with the scan to identify who scanned, who reviewed, who edited, whether or not rescanned and who rescanned.

Auto Pairing – Auto pair previous patient results for a specified test and date range and overlay up to two previous scans on current results.

Auto Editing – Intelligent software gives the flexibility to quantitate split beta SPEs as one fraction or two and intuitiveness to automatically edit cholesterols.

Positive ID – Barcoded gels allow positive ID from patient tube to final results. Using the Electrophoresis Sample Handler, QuickScan Touch can download worklists created from barcoded samples. Patient data can also be imported from LIS.

Massive Data Storage – Store all the demographics, tests, comments and customizable worklists you want. The only limitation is the size of the storage drive. The number of characters in labels or fields is essentially unlimited.

User-Defined Reports and Worklists – Reports and worklists are completely customizable. Create a single-page report that includes one patient's SPE and IFE with interpretation, or print up to 100-scan profile of the patient's entire history – easily.

Customized Interpretive Analysis – Build your own decision limits and interpretive comments library, making reporting results a snap. Comments can be automatically added or coded for quick retrieval. Text can be easily amended.

Network Capability – Patterns can be reviewed and edited remotely over the LAN.

Quality Control – Touch the QC icon to set the QuickScan Touch in motion to scan a linearity step-tablet and neutral density control. Levy-Jennings plots are also available for easy evaluation of QC data.
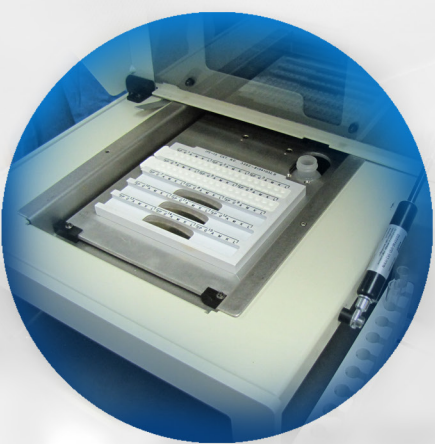
New! ESH Touch

The next generation of **Electrophoresis Sample Handler** is part of **Helena's integrated solution** for high volume electrophoresis workloads. Like its predecessor, **ESH Touch** provides automated front-end specimen processing for the SPIFE Touch with positive patient ID and interface to QuickScan Touch or LIS - but in a smaller, faster, quieter, more flexible and user-friendly package.

ESH Touch transfers samples directly from primary patient tubes to barcoded sample trays, ready for application to agarose gels by the SPIFE Touch. A 100-sample capacity accommodates the largest SPIFE Touch gels and dilution schemes for each sample can be specified. A touch-screen interface makes the system easy to use.
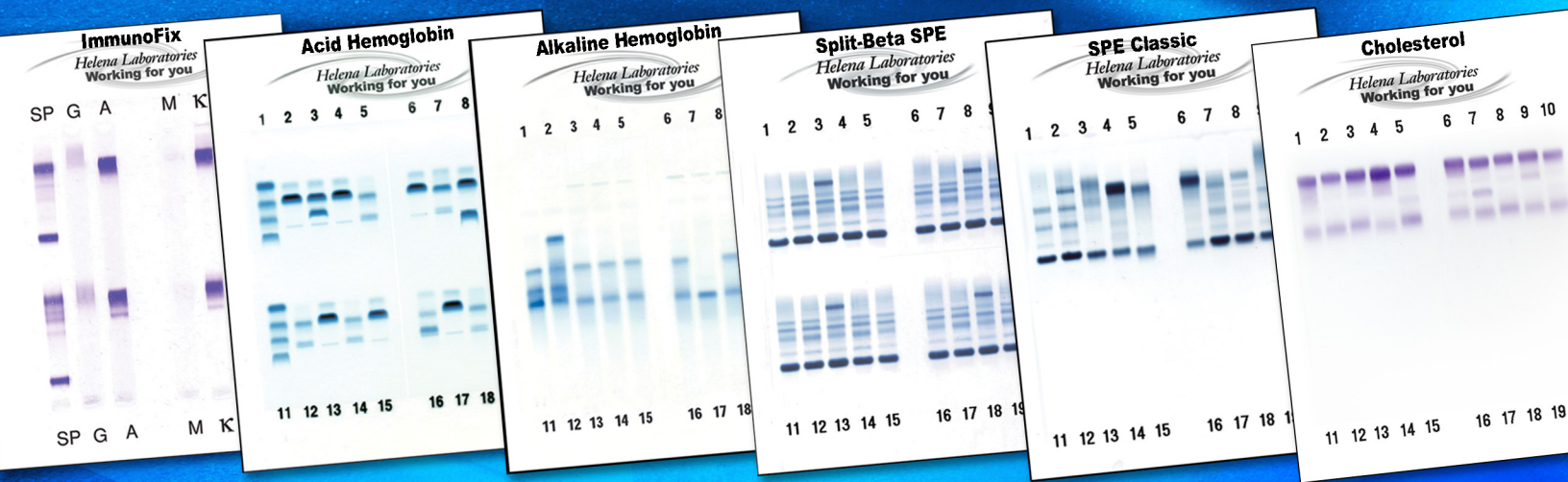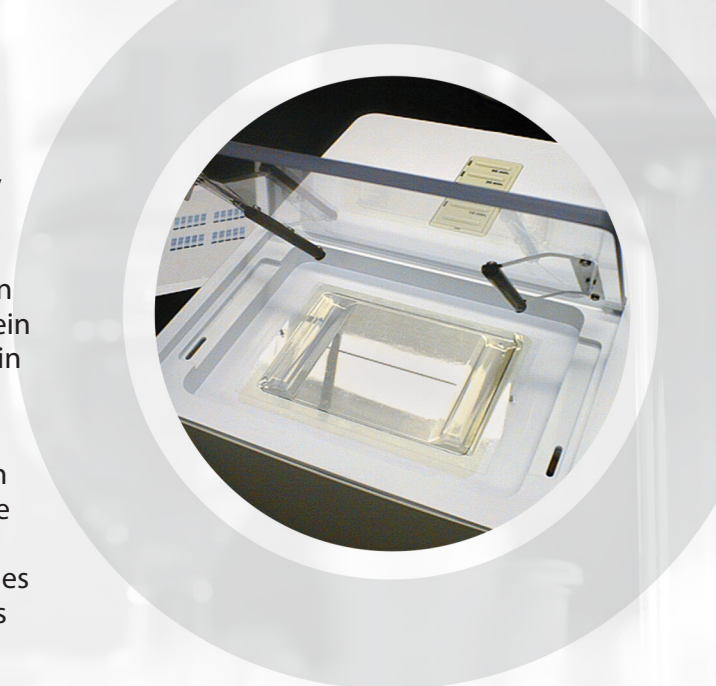

- User-friendly touch screen interface

- Primary tube sampling with liquid level sensor

- Barcode reader with LIS interface for positive ID

- 100-sample capacity

- Flexible dilutions, i.e. per sample

- Smaller footprint

- 50% faster sample tray preparation

- Improved level and tube detection

- Quieter operation

QuickGel® Manual Electrophoresis

QuickGel electrophoresis products are compact and easy to use, allowing cost-effective manual separations without sacrificing quality or accuracy.

The **QuickGel Chamber** features a cooled electrophoresis platen and built-in carbon electrodes. The cooled platen prevents protein degradation and provides crisp separations. Just set a QuickGel in place and close the lid to begin electrophoresis.

The QuickGel Chamber also serves as an incubator and dryer by simply changing out the lid. Get it all – electrophoresis, incubation and drying – in a tiny 8.5" x 10.5" footprint. Recommended for use with the QuickGel Chamber is the completely solid state **TITAN Plus Power Supply.** A digital voltage and current display provides greater accuracy in voltage selection. Synchronous timer assures precise control with automatic end-of-run signal and shut-off.

QuickGel CK & LD Isoenzymes
Separate major isoenzyme fractions quickly and efficiently.

QuickGel SPE – Split Beta or Classic
Whether you choose split-beta or classic 5-banded gels, resolution is excellent.

QuickGel Acid & Alkaline Hemoglobins
Both Alkaline and Acid Hemoglobin QuickGel methods use acid blue stain for excellent sensitivity and stability in storage.

QuickGel IFE
Profile two different patients on one gel or profile a patient's serum and urine simultaneously.

QuickGel Cholesterol
Directly and accurately measure HDL, LDL, VLDL and Lp(a).

QuickGel Lipoprotein
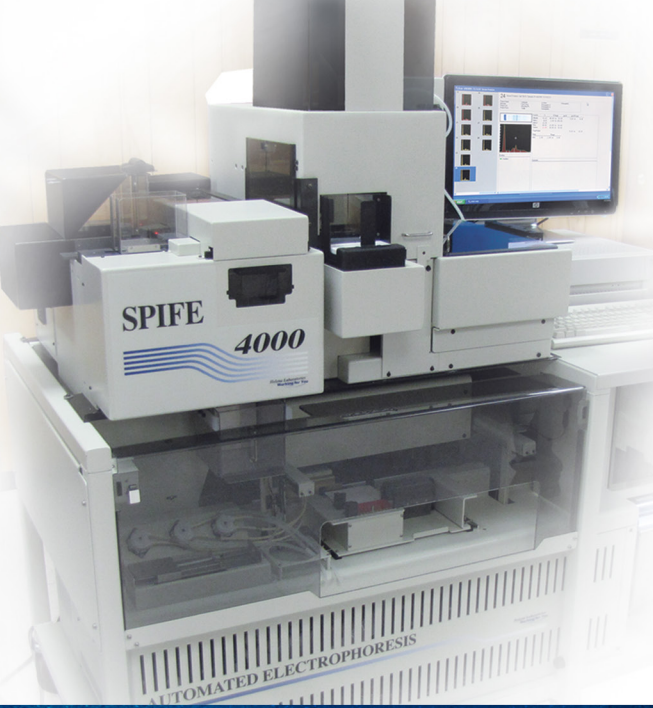Separate and quantitate the major lipoprotein fractions.

QuickGel Assays/Manual Electrophoresis

Cat. No.	Item	Description*
3505	QuickGel SPE Vis	10/20 samples
3505T	QuickGel SPE Vis	10/20 samples
3519	QuickGel Acid Hemoglobin	10/20 samples
3529	QuickGel Alkaline Hemoglobin	10 samples
3529T	QuickGel Alkaline Hemoglobin	10 samples
3534T	QuickGel CK Isoenzyme	10/20 samples
3538T	QuickGel LD Isoenzyme	10/20 samples
3543T	QuickGel Cholesterol	10 samples
3550	QuickGel Split-Beta SPE	10/20 samples
3550T	QuickGel Split-Beta SPE	10/20 samples
3551	QuickGel ImmunoFix	1 or 2 profiles
3551T	QuickGel ImmunoFix	1 or 2 profiles
3543T	QuickGel Cholesterol	10/20 samples
3544T	QuickGel Lipoprotein	10 samples

Note: "T" indicates template application kits

*Kits include supplies for 10 samples per gel.
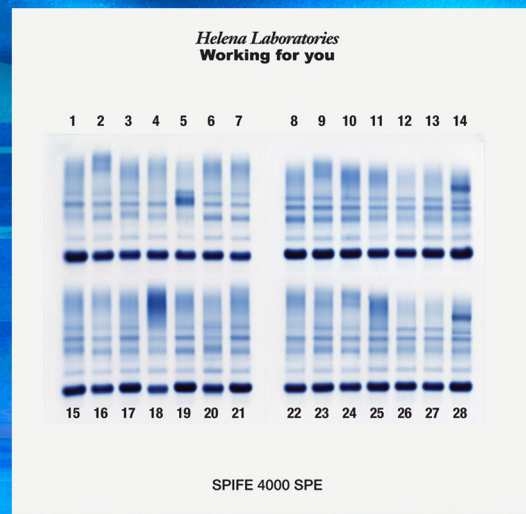Additional QuickGel applicators can be purchased to accommodate up to 20 samples per gel on some assays.
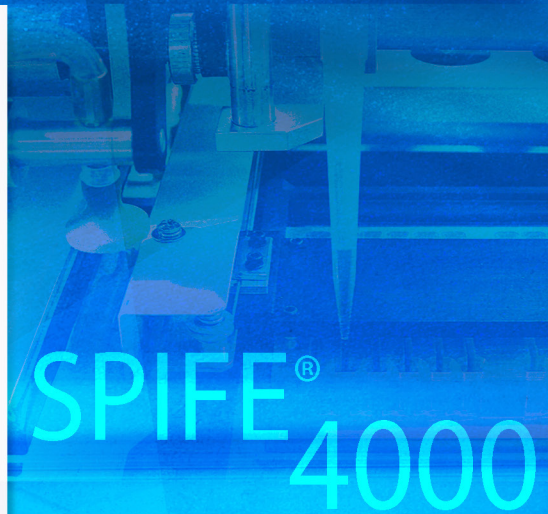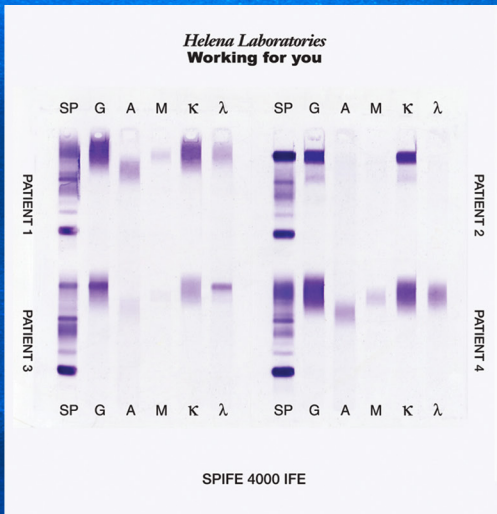
SPIFE® 4000
All-in-One Fully Integrated System

Need more automation for proteins and immunofixation? Look no further than SPIFE 4000 for batch-mode, walkaway automation. This new analyzer does all the work, start to finish – including antisera application – without sacrificing resolution, ease of interpretation or versatility.

All aspects of sample handling and gel transfers are automated by SPIFE 4000. Samples are extracted from barcoded collection tubes, applied to gels and moved through all aspects of electrophoresis and densitometry. Positive ID is verified from start to finish.

New semi-automated alkaline and acid hemoglobin assays are now available.

Integrated Sample Handler
- Liquid sensing
- Positive patient ID from tube to final report
- Automatically makes dilutions for IFE

Auto Scanning
- Automatic setting of scan parameters
- Full editing and interpretation, if the operator chooses
- Final results can be printed and/or exported to LIS

Auto Applicator and Electrophoresis
- Auto blotting and sample application
- Peltier-driven temperature controlled chamber
- Auto reagent and antisera application

New Myeloma Tracking
- Unifies current and historic patient data into a single portal
- Easy interpretation, tracking and review

HELENA LABORATORIES

www.helena.com • 800-231-5665