

**DEPARTMENT OF GASTROENTEROLOGY
A.I.I.M.S., NEW DELHI**

February 23, 2017

Reference: 38/GE/Proprietary/Repair/Replacement/CCD Camera/Gel Doc. System/2016-17

Subject: Repair/Replacement of CCD Camera & Accessories of Alphaimager™ Gel Documentation system, under the department of Gastroenterology, AIIMS, New Delhi, on proprietary basis, inviting comments thereon.

The department of Gastroenterology wants to Repair/Replacement of CCD Camera & Accessories of Alphaimager™ Gel Documentation system with mentioned volumes from M/s Protein Simple, on proprietary basis. The proposal submitted by the local authorized dealer M/s Systems & Controls, and PAC certifications are attached & uploaded on website.

The above documents are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/items within 15 days from the date of issue/uploading the notification giving reference no. 38/GE/Proprietary /Repair/Replacement/CCD Camera/Gel Doc. System/2016-17.

The comments should be sent to Professor & Head, department of Gastroenterology, Room no. 3111, Teaching Block, 3rd Floor, AIIMS, New Delhi on or before 11 March 2017 upto 12.00 Noon failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

Sincerely,

Dr. Anoop Saraya
Prof. & Head

Encl.

- Quotation
- PAC Certificate

SYSTEMS & CONTROLS

February 6, 2017

PI # SC/AIC/AIIMS/Gastro/291216

HOD

Department of Gastrology
AIIMS
New Delhi

HIGH RESOLUTION 12-BIT FIREWIRE CCD CAMERA

- High resolution, **12-bit, Scientific Grade, Zero Defect**, CCD Camera (C-Mount)
- **Patented ANTI-REFLECTIVE COATING** for greater precision in imaging by reducing the light that get reflected off the CCD sensor
- **MICROLENS** technology for improved light collection
- **Firewire technology camera** for greater convenience and faster computer downloads for real time image focus and fast image acquisition
- **800k pixels sensor**
- **Unrivalled Sensitivity upto pg level**
- **0-3.5 OD of linear dynamic range:** This linear response generates results that are far more accurate than those obtained from film which has a limited dynamic range of 0 - 1.8 OD and other systems which offer upto 2 OD
- **Multichannel Image display** upto 6 colours can be imaged, 2 colours can be displayed at the same time with image overlay
- Spatial resolution of 50 microns important for **resolving fine image details** such as faint bands or doublets or triplets on an electrophoresis gel.
- Minimum field of view of **3cm X 4cm** providing for very **high image resolution** even for Phast gels & minigels.
- Optimal, effective & easy use of CCD technology with an **extremely fast frame readout rate of 30 frames/second** for **REAL TIME IMAGING** to allow for easy sample positioning, focusing & zoom (*Much faster & superior compared to systems with refresh rates of 10-20 frames/sec*)
- Software controlled camera for online motorized exposure control with **AUTO EXPOSE** for fully automated computer controlled acquisition

ALPHAVIEW SOFTWARE

The "**ALPHAVIEW™**", a native 32-bit architecture software for Acquisition, Enhancement, Correction, Editing, Annotation, Printing, Archiving, Security & Analysis through a broad array of features like:

- **MOVIE-MODE**
- Complete camera controls through software
- Image capturing in grayscale & color mode
- Multi Channel Image Display, Differential Display
- Multi-Gel simultaneous display
- Automatic Exposure settings
- Alignment Grid to ensure proper gel positioning in real time
- Adjustable false colour options
- Ability to identify differentially expressed proteins
- Quantitative analysis tools for 1-D proteins, 2-D proteins, DNA/RNA gels, X-ray, autoradiograms and a large number of stains like Et-Br, CBB, silver stain etc. with features including:
 - High density Array, Microtiter Plate, Elispot & Dot Blot analysis
 - Automatic Colony, Cell & GFP Yeast counting
 - Molecular Weight/Rf Value calculations
 - 1D Multilane Densitometry, Auto Lane & band detection with manual over-ride/editing, detection, Peak

Address: 506, Shahpuri Tirath Singh Tower, C-58, C-Block Community Center, Janak puri, New Delhi - 110 058. INDIA
Tel: +91 11 41408203 Fax +91 11 2584 2788. contact@syscons.in

Bnlays

SYSTEMS & CONTROLS

- & pattern comparison
- 2D Spot Densitometry (Quantification)
- Proprietary algorithms to compensate for gel distortion and gel curving/smiling and compensation for background (background subtraction)
- Band matching, RFLP, RAPD, Fingerprinting, Dendrogram creation, options for Dice, Jacard, Pearson, Frequency, Similarity Coefficients & Cluster Analysis with multiple methods including Neighbor joining, UPGMA, WPMA, Simple Linkage, Complete Linkage, Ward, Median, Centroid etc.
- Automatic Object counting
- Object Distance Measurements
- Gel Scoring
- Histogram generation, 3-D histograms, Q-PCR w/ standard curve
- Zymogram gel analysis
- Multicolor Fluorescence Microscopy Imaging

All data can be output to a video printer, text printer, and clipboard or saved as ASCII data for direct importation into MS Excel, MS PowerPoint etc. Imaging for both PC & Mac OS in TIFF, JPG etc. All analysis tools have modules for protein and DNA/RNA gels with over 500 unique image processing functions and algorithms. The system is fully GLP/GMP compliant.

COMPUTER

(TO BE SUPPLIED LOCALLY FREE OF COST BY SYSTEMS & CONTROLS)

- Pentium dual core Processor
- 2 GB RAM, 320 GB Hard Disk Drive
- Combo Drive, Multimedia Keyboard, speakers, Mouse
- 17" TFT Color Monitor
- Compatible UPS,

PRICE FOR UPGRADATION OF ALPHAIMAGER™ GEL DOCUMENTATION SYSTEM

UNIT PRICE :	Rs. 2,50,000.00
SALES TAX@12.5% :	Rs. 31,250.00
TOTAL PRICE (FOR-AIIMS, NEW DELHI) :	Rs.2,81,250.00
Rupees Two Lakhs Eighty One Thousand Two Hundred Fifty only.	

Sincerely yours

For **SYSTEMS & CONTROLS**

SYSTEMS & CONTROLS
Sapna Bhat
506, Shahpuri Tirath Singh Tower,
C-58, C-Block, Community Centre,
Janak Puri, New Delhi-110 058.

Bhat

protein simple

a biotechne brand

January 29, 2016

To Whomsoever it May Concern

Sub: Proprietary Certificate for Camera & Alphaview Software for AlphaImager™ Gel Documentation System

We hereby certify that the Camera for AlphaImager™ Gel Documentation System is proprietary product of our Organization. It includes proprietary technology like MicroLens and Anti-reflective coating and Proprietary algorithms to make it compatible with the AlphaImager Gel Documentation system.

The Alphaview software supplied is also a proprietary product with drivers to run the AlphaImager system and proprietary analysis features for automatic band detection and analysis.

We certify that these products are manufactured by us and are not supplied by any other manufacturer.

Sincerely


Maggie Nakamura

Bokeye

Alpha Innotech& Cell Biosciences are now

protein simple



ProteinSimple
3001 Orchard Parkway, San Jose, California 95134, USA
T 408 510 5500 F 408 510 5599
proteinsimple.com

January 5, 2016

protein simple

a biotechne brand

To: Whom it may concern

RE **SYSTEMS & CONTROLS**

506, Shahpuri Tirath Singh Tower
C-58, C-Block, Community Centre, Janakpuri
New Delhi – 110 058. INDIA.
Tel: +91 11 4103 1975 / 2575 2787
Facsimile: +91 11 4103 1975

This letter authorizes Systems & Controls as a distributor of ProteinSimple products in the country of India upto December 31, 2018. They are authorized to demonstrate, install & service our instrument systems.

ProteinSimple produces:

- CB 1000 Nano-proteomics system for cell signaling & protein phosphorylation
- AlphaImager™ HP Gel Documentation Systems
- AlphaImager™ EC Customized Gel Documentation Systems with multiple camera options up to 5 MP
- FluorChem™ range of multiplexing, western blot, 2D & 1D Gel Documentation Systems
- red™ standalone gel imaging system
- AlphaView™ & Xpedition™ image analysis software for 1D & 2D gels
- SimpleWestern® Gel Free, Blot Free, Hands Free Automated Western Systems

Please contact me if you have any questions


Maggie Nakamura

Bnkeyz

Alpha Innotech & Cell Biosciences are now

protein simple



ProteinSimple
3001 Orchard Parkway, San Jose, California 95134, USA
T 408 510 5500 F 408 510 5599
proteinsimple.com



February 15, 2017

To Whomsoever It May Concern

SUB: SPARE PARTS OF AlphaImager® EC/EP/HP(GEL DOCUMENTATION SYSTEM)

This is to certify that the Model: AlphaImager®EC/EP/HP (Gel Documentation System) is manufactured by us and spare parts of these models are available only with our enterprise, M/s ProteinSimple, USA. No other manufacturer can provide similar items.

Sincerely


Authorized Signatory
For ProteinSimple



Alpha Innotech & Cell Biosciences are now


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3001 Orchard Parkway, San Jose, California, 95134 USA
T 408 510 5500 F 408 510 5599
proteinsimple.com

