

## In this edition:

### Product Showcase

UriCon®  
Cerocon®  
Electrophoresis Equipment  
and Supplies

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Leishmania Dipstick  
RapydTest®  
Adeno-Rotavirus RapydTest®



Newsletter Summer 2011

# Welcome to the Summer 2011 DiaSys News Bulletin

## Product Showcase

### UriCon®

UriCon® provides a reliable method for the rapid concentration of Bence-Jones Proteins from clinical samples such as serum and urine. Samples are introduced into an isolation chamber within the concentrator where one inner surface is a membrane of selective permeability, backed by a pressure resistant absorbent pad and gel.

- **Improved Recovery** - higher sensitivity due to regenerated cellulose membrane.
- **No Cross Contamination** - single use device.
- **Safer** - unique luer cap lock creates seal. No smell or leakage.
- **Quicker** - concentrates 5ml of sample in 40 minutes without pressure, 25/30 minutes with unique pressure valve.
- **Most Versatile** - can be assembled into any block size or can be used as a stand alone device.
- **Largest Capacity** - concentrates up to 15ml.



### Cerocon®

The DiaSys Cerocon® centrifugal concentrator is used for the separation and filtration of dissolved solutes. Cerocon® is ideal for the concentration of Cerebrospinal fluid (CSF) or urine for the resolution of oligoclonal electrophoresis bands.

- **Improved Recovery** – due to regenerated cellulose membrane
- **No Cross Contamination** – Single use device
- **Simple To Use** – two-step process
- **Quick Processing Time**



### Electrophoresis Equipment & Supplies

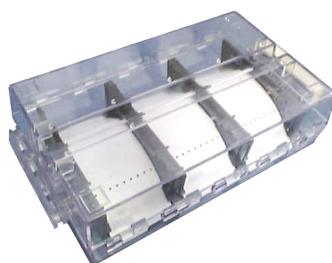
DiaSys can supply the complete range of equipment & consumables necessary to conduct cellulose acetate electrophoresis.

#### Cellulose Acetate Membranes

DiaSys Cellulose Acetate Membranes are high purity, unsupported and supported cellulose polyacetate. The membranes provide a clear resolution and high sensitivity for the diagnosis of a variety of applications including Multiple Myeloma and Sickle Cell Diseases.

#### Semi Micro II Chamber

Designed for high and low volume electrophoresis.



#### Sepratek 4 & 8 Applicators

Apply the samples to the membrane.

#### High Resolution & Haemoglobin Buffer / Ponceau Stain / Clearing Solutions

For the preparation of membranes, staining of separated proteins and the visualization of results.



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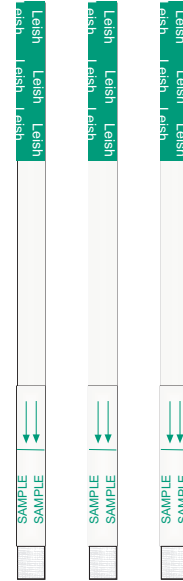
# Product Showcase

## Leishmania Dipstick RapydTest®

Leishmaniasis is a spectrum of disease caused by the Leishmania species. It is transmitted to humans and in the body it proliferates and disseminates throughout the reticuloendothelial system as obligate intracellular parasites. There are three major forms of disease: cutaneous, mucocutaneous, and visceral Leishmania (VL). VL has been demonstrated as an important opportunistic infection associated with AIDS infection.

The DiaSys Leishmania One Step Test is a rapid test to qualitatively detect the presence of antibody to visceral Leishmania in serum specimens. The test utilises a combination of protein A-colloidal gold conjugate and recombinant Leishmania antigen to selectively detect antibody to Leishmania in serum.

- **High Sensitivity/ Specificity (rK39)**
- **Detection in serum**
- **Ten minute one step test**
- **Rapid Chromatographic Immunoassay**



## Adeno-Rotavirus RapydTest®

The relevance of Adenovirus and Rotavirus inducing gastrointestinal infections was unclear for a long time but studies show that Adenovirus and Rotavirus are defiantly associated with gastroenteritis and related syndromes in infants and children. The Adeno-Rotavirus Rapydtest® is fast, simple and highly sensitive test for the rapid and reliable detection of Adenovirus and Rotavirus in faeces.

The method employs a unique combination of monoclonal dye conjugate and polyclonal solid phase antibodies to selectively identify Adenovirus and Rotavirus

with a high degree of sensitivity and specificity. After collection in a vial containing extraction solution, the sample is homogenised and then exposed to the reaction devise.

As the test sample flows through the absorbent strip, the labelled antibody-dye conjugate binds the Adenovirus and Rotavirus antigen forming an antibody-dye conjugate antigen complex. This complex binds to the polyclonal antibody in the positive reaction area producing a rose-pink coloured band. In the absence of Adenovirus and/ or Rotavirus, there is no line in the positive reaction area.

- **High Sensitivity**
- **Easy Patient Identification**
- **All reagents supplied**
- **Two-step process**
- **Enclosed disposable device**
- **Minimal operator time**



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