

## **Katholieke Universiteit van Leuven**

### **Evaluatie van de immunochromatographische isolatie van rota- en adenovirus 1999-2000 internal study.**

**Ceelen TESSA**

Translated abstracts:

#### **Immunochromatography principle**

##### **Test restrictions**

- These tests are aimed to the detection of Rota and Adenovirus only. They are not designed for other detections such as bacteria and other viruses responsible for gastroenteritis.
- Sample containing detergent as preservative agent could give rise to false negative results, because of the low quantity of virus. These samples should not be used

#### **Results**

125 samples tested against ELISA and results have been observed by 6 different people  
38 samples are ELISA positive and 87 are ELISA negative (Adeno)

##### **1/ Coris Adeno**

34 are Strip positive  
91 are Strip negative

##### **2/ Adeno Novamed**

38 samples are strip positive ( 3 of them are false positive)  
87 are Strip negative

##### **3/ Adeno Combisticks (Novamed)**

42 samples are positive (12 are false positives)

Following manufacturer instructions, each signal observed on the sticks should be regarded as positive. By the way, all results recorded with a +/- have been granted with a positive answer.

#### **Conclusions**

The Adeno-Strip from Coris gives the best results for the Adeno detection while the Novamed Combi is better for the Rotavirus detection.  
Nevertheless, since the Novamed Combi is aimed to the detection of both Adenovirus and Rotavirus and since this latter gives poor results, we must decide that this test does not fulfil the requirements for a combined test.