



## IUL LAUNCHES IPEAK+, THE NEW LATERAL FLOW READER FOR LARGE CASSETTES

**PRESS RELEASE\_Barcelona, 16th March 2021**

IUL SA launches iPeak+, **a new colorimetric off-the-shelf lateral flow reader designed to hold large cassettes**. This portable reader is equipped with connectivity and it is able to read cassettes of up to 5 strips and 7 lines per strip at the same time.

Nowadays, more objectivity, sensitivity, traceability, and connectivity are demanded for the analysis of lateral flow tests. That is why the need for reasonable cost-wise Lateral Flow Readers is increasing. iPeak+ is a Point of Care (PoC) Quantitative and Qualitative Lateral Flow Reader that **ensures precise interpretation of results for both, routine sample testing and research even for the development of lateral flow tests per-se**.

### **Higher sensitivity and more traceability**

iPeak+ is equipped with the Flash Eye technology based on the principles of machine vision illumination. Its camera captures the image of the test illuminated from Led lights situated in the most studied geometry in order to **achieve a precise and uniform illumination and enhance the colours of any lateral flow test**. iPeak+ comes with its built-in R&D software not only to read daily samples but also to develop your own tests delivering different digital colours filters individually to each line within the same strip.

**With iPeak+ technology is possible to get more sensitivity and even quantify**. Its levels of sensitivity are the success of its application, and its technology has been used to fight biological threads, especially useful in this pandemic context.

iPeak+ is equipped with Datamatrix reading for complete sample traceability, WiFi, Bluetooth, and LAN connectivity for interaction with portable devices such as Mobile Phones or Tablets, Cloud, local Networks, or the Internet. **iPeak+ can store a large number of results, raw and processed images in its internal memory**.

With all of this, **iPeak+ ensures more traceability of the samples because it grants sample tagging that can be related to results themselves and integrate into any laboratory information system (LIMS), LIS, or HIS**. Furthermore, iPeak IUL system stores the data in the device, export as report or even integrates in the system whatever the size of the cassette is.

### **A low-cost test to fight Covid-19**

Lateral Flow Strip Assays have turned out a well know tests since their low cost and low time to obtain the results **have been an essential tool for massive screening to fight COVID-19**. However, lateral flow tests are also broadly used in animal health industries, food, cosmetics, or research with different kinds of applications.

Although results can be interpreted with the human eye, **the use a lateral flow reader to trace the results, connect and integrate all the data that is obtained with the lateral flow reader**.



Needless to say, the use of a lateral flow reader is increasing, and the customer demands a higher sensitivity to enhance the colors of their lateral flow test.

#### **About IUL, automation solutions for microbiology laboratories**

IUL SA, with the headquarters in Barcelona, designs, produces, and marketed solutions for microbiology lab automation since 1987. A landmark in Industry 4.0, his objective is to **enable a more comfortable, and safer microbiological control for the industry and to provide devices for in-vitro diagnostics in the field of human and animal health**. iPeak+ has been made by an ultimate 3D printing manufacturing technology.

**IUL makes total customization, fast, flexible and affordable even for small quantities** and with minimal time-to-market. Besides this, IUL is certified ISO 13485:2016 Medical devices-Quality management Systems.