



IBA presents two major breakthroughs at EANM annual meeting

- The next-generation of Synthera®+ chemistry modules
- New Cyclone® KIUBE demonstrates highest PET cyclotron production capacity ever reached

Barcelona, Spain, October 16th, 2016 - IBA (Ion Beam Applications S.A., EURONEXT), the world's leading provider of proton therapy and radiopharmacy solutions, today launched the fully redesigned Synthera® radiochemistry module, and announced performances never reached before on a PET cyclotron with the new Cyclone® KIUBE, at the European Association of Nuclear Medicine (EANM) annual meeting in Barcelona, Spain.

Max Potential, Max Capacity with Cyclone® KIUBE

Compact and extremely powerful, Cyclone® KIUBE has been quickly established as the cyclotron of choice after its launch in June this year. Today, through its continuous innovation program, IBA announces the highest production capacity ever reached with a PET cyclotron.

“With the Cyclone® KIUBE, the radiopharmacies will be able to produce up to 300 FDG doses in a 2-hour run (fluorodeoxyglucose is the most used radiotracer in molecular imaging) which is in line with the market trend for higher production in one run, or faster production time for the same quantity,” said Bruno Scutnaire, President of IBA RadioPharma Solutions. “The beam current of Cyclone® KIUBE can reach up to 300 µA, leading to greater capacity for shorter runs and to increased profitability.”

Cyclone® KIUBE* is a true evolutionary cyclotron. Its production capacity can be increased to reach 30 Ci (1110 GBq) of ¹⁸F in a two-hour run. With a lower initial investment, hospitals will benefit from Cyclone® KIUBE's unique features while maintaining the ability to increase capacity over time.

Cyclone® KIUBE produces the widest range of PET radioisotopes and covers all needs of PET radiopharmacies. Its capacity can reach higher beam on solid target system for optimization of various promising radioisotope production on a PET cyclotron such as ⁸⁹Zr, ⁶⁴Cu, ^{99m}Tc....

Synthera®+, Better, Smarter, Stronger

The Synthera® platform has been on the market for over ten years with more than 500 units installed worldwide. Synthera®+ remains the most compact module on the market: up to 3 synthesizers can fit into a standard hot cell. Synthera®+ and Synthera®+ HPLC have both been fully redesigned to meet the most demanding production schedule of different radiotracers without opening the hot cell (less intervention, more safety). IBA continues to push the technology boundaries to support customers who constantly have to conquer new challenges.

“Synthera®+ can be equipped with the automatic IFP Loader (disposable production cassette dispenser) which can stack up to 4 cassettes,” explains Neva Lazarova, Head of IBA Radiochemistry Solutions. “This allows it to perform consecutive runs of different compounds without opening the hot cell, resulting in nearly zero radiation exposure to the operator. This unique feature multiplies the capability of each module by a factor of four.”*

IBA RadioPharma Solutions will be showcasing Cyclone® KIUBE and the new Synthera+ family at booth #44 during the EANM congress. For more information about IBA's new cyclotron, see: <http://iba-cycloneoftechnology.com>

* Under patent application from IBA EP16193281



About IntegraLab® and Synthera®+

IntegraLab® is a fully integrated solution combining equipment and services for the establishment of radiopharmaceutical production centers. IntegraLab® includes amongst others, the building design achieving full regulatory compliance and the selection, integration, supply and installation of suitable equipment to match the customer's radioisotopes production goals.

Synthera®+ is a multi-purpose automated synthesizer for the production of ¹⁸FDG, other compounds (¹⁸FCH, ¹⁸FLT, Na¹⁸F, ⁶⁸Ga peptides ...). This smallest available module on the market is designed to accommodate a wide range of radiochemistry processes.

About IBA

IBA (Ion Beam Applications S.A.) is a cancer diagnostics and treatment company and the worldwide technology leader in the field of proton therapy. The Company's expertise lies in the development of next-generation proton therapy technologies and radiopharmaceuticals that provide oncology care providers with premium quality services and equipment, including IBA's leading fully-integrated IntegraLab® system.

Headquartered in Belgium and employing more than 1,400 people worldwide, IBA currently has installed systems across Europe and the US and is expanding into emerging markets. The Company is focused on building sustainable global growth for investors and provides high quality services and products for oncology specialists and cancer patients.

IBA is listed on the pan-European stock exchange EURONEXT. (IBA: Reuters IBAB.BR and Bloomberg IBAB.BB) and more information can be found at: www.iba-worldwide.com

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