DIAPATH

PRESS RELEASE

E.V.A.
EMERGENCY EVOLUTED ALGORITHM

Precision Medicine: introduction of an intelligent system based on advanced algorithms in tissue processing to support a safe diagnosis.

Precision medicine integrates clinical-pathological criteria with molecular analysis and represents a new frontier in the treatment of oncological pathologies.

This diagnostic-therapeutic approach to cancer is strongly linked to an accurate diagnosis and a correct preservation of the biological sample during the phases of the process. In this case the biological sample is a unique, unrepeatable tissue sample (biopsy or surgical sample), rich in morphological and molecular information important for diagnostic purposes.

Some genetic and molecular alterations of tumors also represent targets that can be inhibited by specific therapies. Thanks to the correct identification of the characteristics of the disease, the most suitable therapy can be established.

To guarantee the quality of tissue removal during the automatic processing phases, the instruments must be equipped with specific requirements and high safety standards.

RISULTATI

For the first time, in the history of automatic fabric processors, an intelligent system is introduced within an instrument and it is the first time that the instrument itself is able to communicate vocally with users.

The automatic processor in question is the Donatello Series 2, a project made in Italy from the collaboration between the Innovation Department and the Research & Development team of Diapath S.p.A.

To guarantee the quality of the processing, the Donatello Series 2 was designed with innovative technological features such as the SelfCheck, inspired by the pre-flight control procedures of the aerospace industry that drastically reduces the incidence of adverse events and the presence of RFID technology that actively supports the operator, through a guided procedure, making the reagent replacement easy and safe, avoiding errors and potential reagent exchanges.

Finally, the latest technological introduction: E.V.A. (Emergency eVoluted Algorithm), an intelligent system based on advanced algorithms capable of managing and solving potential emergency situations during sample processing in order to preserve the fabric quality and predictive markers and prognostics.

E.V.A. Emergency eVoluted Algorithm is also able to communicate with users through voice messages available in different languages. Donatello Series 2 once again acquires important characteristics and represents the evolution of tissue processing.

The personalization of the therapeutic strategy also involves an advanced technological pathway to support a safe diagnosis that represents a benefit for the patient, who can receive the most appropriate therapeutic treatment without being exposed to unnecessary toxicity.

INFO **www.diapath.com/press**	**Marketing Corporate** marketing@diapath.com