MARGINUM

Marginum HIVEN®
Aspirate Tissue Detector

CE 0598



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Pioneering **the next-gen** surgical techniques

Founded in 2020, Marginum is a Finnish medical device manufacturer and a market forerunner in **quantitative fluorescence-based tissue detection systems.**

In oncological surgery, patients are administered a fluorescent drug that accumulates in the tumour tissue to assist in visualisation and resection.

According to practising surgeons, distinguishing healthy brain tissue from malignant tumour is challenging with contemporary methods.

Our technology analyses the fluorescence of resected surgical tissue flowing in the suction tube, providing the surgeon with near-real-time supplementary information to aid in detecting the fluorescence.



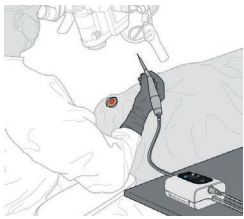


High-performance fluorescence detection integrated to standard surgical workflow

Marginum HIVEN® is a CE-marked Class IIb medical device designed for fluorescence detection in high-grade glioma surgeries where 5-ALA is used as a fluorescent agent.

HIVEN® is attached to the ultrasonic aspirator's suction tube, integrating seamlessly with existing surgical workflows and constantly monitoring the resected tissue during the operation.

HIVEN® provides the surgeon near real-time supplementary information on the resected tissue by giving auditory feedback on fluorescence detection.



HIVEN® Patient Benefit

The patient benefit from using the device is increased detection of fluorescence during surgery. The detection of fluorescence has been shown to lead to more complete resection of tumour and improved progression-free survival.

The measures (clinical outcome parameters) for the patient benefits are:

i. The detection rate of fluorescence in comparison to visual detection using a legally marketed alternative therapy
ii. Fluorescence detection sensitivity and specificity
iii. Heard and recognised auditory feedback of fluorescence



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