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REPORT

Laboratory Director : George Nasioulas PhD.

Sample Information

Name:	XXXXXX XXXXXX	Report No:	24007794GR
ID/Medical ID:	TEST 3/11/2023	Date Received:	21/05/2024
Date Of Birth:	01/01/1956	Date Of Report:	21/05/2024
Patient Location:	XX/XXX		

Sample Details

Type of sample #1:	PARAFFIN EMBEDDED TISSUE-BLOCK	Code of sample #1:	XXX
Barcode of sample #1:	24007794GR-1		

MGMT, IDH1/IDH2, BRAF, 1p19q

DNA and RNA were extracted from the test sample (QIAmp DSP DNA Mini kit, Qiagen RNeasy FFPE Kit). The promoter methylation was detected using the MGMT Methylation Detection kit (Entrogen) and the QuantStudio 3 Real Time PCR System (ThermoFisher) platform. Mutations in exon 4 of the *IDH1* and *IDH2* genes and in exons 11 and 15 of the *BRAF* gene were detected using the targeted replication method (Ion AmpliSeq EI Panel, Thermo Fisher Scientific) and the sequencing was performed on the Ion Gene Studio S5 Prime System (Thermo Fisher Scientific). Mutations were identified by DNA sequencing in the SeqStudio genetic analyzer (ThermoFisher). 1p and/or 19q deletions were detected by FISH using the Zytolight FISH Tissue Implementation Kit and the Zytolight Glioma 1p/19q Probe Set. MGMT methylation, IDH and BRAF analysis were performed after sample's macrodissection.

Results

Material suitable for analysis.
The assayed sample does not carry a mutation in exon 4 of the genes *IDH1* and *IDH2*.

Material suitable for analysis.
The assayed sample does not carry a mutation in exons 11 and 15 of the *BRAF* gene.

Material suitable for analysis.
The assayed sample was methylated at the promoter region of the *MGMT* gene.

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Material suitable for analysis.

In total 100 nuclei, were analyzed and the assayed sample does not carry deletion of the genetic regions 1p/19q

Scientific Director
George Nasioulas, PhD
Molecular Biologist



*****Note :** Each analysis has an internal error probability of 0,5-1%. This is due to rare events and factors involved in the production and analysis of specimens.