

Family/Last name Date of birth Given name(s) Patient identifiers Date of request Accession/Laboratory number **All molecular elements are NON-CORE.**[DATASET SCOPE](#) [OVERVIEW OF SELECTED MOLECULAR MARKERS](#) **ADEQUACY OF SPECIMEN FOR MOLECULAR ASSESSMENT** 

- Specimen is adequate for analysis
- Specimen is inadequate for analysis, *give reason, (select all that apply)*

- Crush
- Autolysis
- Cautery
- Necrosis
- Decalcification
- Tumour cell quantity
- Fixation issues, *specify*

- 
- Other,
- specify*

**ATRX MUTATION** **ATRX mutation**

- Negative  Cannot be determined
- Positive

TESTING METHOD (select all that apply)

- Sanger sequencing
- Next-generation sequencing
- PCR-based method
- Other, *specify*

**ATRX expression (immunohistochemistry)**

- Intact nuclear expression  Cannot be determined
- Loss of nuclear expression

**BRAF ALTERATIONS** **BRAF mutation**

- Absent  Cannot be determined
- BRAF V600E (c.1799T>A) mutation present
- Other BRAF mutation present, *specify*

MUTATIONS ASSESSED (select all that apply)

- V600E
- Any mutation in exon 15
- Other, *specify*

TESTING METHOD (select all that apply)

- Sanger sequencing
- Next-generation sequencing
- PCR-based method
- Other, *specify*

**BRAF V600E expression (immunohistochemistry)**

- Negative  Cannot be determined
- Positive

**BRAF rearrangement/duplication**

- Absent  Cannot be determined
- Present, *specify*

MUTATIONS ASSESSED (select all that apply)

- 7q34 tandem duplication
- KIAA-BRAF fusion
- BRAF-RAF1 fusion
- Other, *specify*

TESTING METHOD (select all that apply)

- In situ hybridization (FISH)
- RT-PCR
- Array-based method
- RNA-sequencing
- Other, *specify*

**CDKN2A/B HOMOZYGOUS DELETION** 

- Absent                                       Cannot be determined  
 Homozygous deletion  
 Heterozygous deletion

TESTING METHOD (select all that apply)

- In situ hybridization (FISH, CISH)  
 Array-based method  
 Next-generation sequencing  
 Other, *specify*

**CHROMOSOME 7 GAIN (combined with chromosome 10 loss)** 

- Absent                                       Cannot be determined  
 Present

TESTING METHOD (select all that apply)

- In situ hybridization  
 Array-based method  
 Next-generation sequencing  
 Other, *specify*

**C19MC ALTERATION** 

- Absent                                       Cannot be determined  
 Absent with low level gain  
 Present, *specify, including copy number*

TESTING METHOD (select all that apply)

- In situ hybridization (FISH, CISH)  
 Array-based method  
 Next-generation sequencing  
 Other, *specify*

**CHROMOSOME 10q23 (PTEN LOCUS) DELETION AND PTEN MUTATION** **Chromosome 10q23 (PTEN Locus) deletion**

- None detected                               Cannot be determined  
 Interstitial deletion present  
 Monosomy, *specify*

- Polysomy, *specify*

TESTING METHOD (select all that apply)

- In situ hybridization  
 Array-based method  
 PCR/Loss of heterozygosity assay  
 Other, *specify*

**PTEN mutation**

- Absent                                       Cannot be determined  
 Present, *specify*

TESTING METHOD (select all that apply)

- Sanger sequencing  
 Next-generation sequencing  
 PCR-based method  
 Other, *specify*

**CHROMOSOMAL ARM 1p/19q CODELETION** 

- None detected                               Cannot be determined  
 1p/19q codeletion  
 1p only deletion  
 19q only deletion  
 Polysomy, *specify*

TESTING METHOD (select all that apply)

- In situ hybridization (FISH, CISH)  
 Array-based method  
 PCR/Loss of heterozygosity assay  
 Next-generation sequencing  
 Other, *specify*

**EGFR AMPLIFICATION AND EGFRvIII MUTATION** **EGFR amplification**

- Absent                                       Cannot be determined  
 Absent with low level gain  
 Present, *specify, including copy number*

TESTING METHOD (select all that apply)

- In situ hybridization (FISH, CISH)  
 Array-based method  
 Next-generation sequencing  
 Other, *specify*

**EGFRvIII mutation**

- Absent  Cannot be determined  
 Present

TESTING METHOD (select all that apply)

- Next-generation sequencing  
 PCR-based method  
 Immunohistochemistry  
 Other, *specify*

**HISTONE H3 MUTATION AND H3 K27 TRIMETHYLATION (me3)****Histone H3 gene family mutation**

- Negative  Cannot be determined  
 Positive for K27M  
 Positive for G34R or G34V  
 Positive, for other H3 mutation, *specify*

TESTING METHOD (select all that apply)

- Sanger sequencing  
 Next-generation sequencing  
 PCR-based method  
 Other, *specify*

**Histone H3 K27M expression (immunohistochemistry)**

- Negative  Cannot be determined  
 Positive

**Histone H3 G34R expression (immunohistochemistry)**

- Negative  Cannot be determined  
 Positive

**Histone H3 K27me3 expression (immunohistochemistry)**

- Intact expression  Cannot be determined  
 Loss of expression

**IDH1/IDH2 MUTATION****IDH1/IDH2 mutation**

- Absent  Cannot be determined  
 Present, *specify*

TESTING METHOD (select all that apply)

- Sanger sequencing  
 Next-generation sequencing  
 PCR-based method  
 Other, *specify*

**IDH1 R132H expression (immunohistochemistry)**

- Negative  Cannot be determined  
 Positive

**Ki-67 IMMUNOHISTOCHEMISTRY**Percentage of positive nuclei  %

- Cannot be determined

**L1CAM EXPRESSION (IMMUNOHISTOCHEMISTRY)**

- Negative  Cannot be determined  
 Positive

**LIN28A EXPRESSION (IMMUNOHISTOCHEMISTRY)**

- Negative  Cannot be determined  
 Positive

**MEDULLOBLASTOMA IMMUNOHISTOCHEMISTRY****β-catenin expression (immunohistochemistry)**

- Absence of nuclear expression  Cannot be determined  
 Positive nuclear expression

**GAB1 expression (immunohistochemistry)**

- Negative  Cannot be determined  
 Positive

**YAP1 expression (immunohistochemistry)**

- Negative  Cannot be determined  
 Positive

**MGMT PROMOTER METHYLATION**

- Absent  Cannot be determined  
 Present

TESTING METHOD (select all that apply)

- Methylation-specific PCR  
 Other, *specify*

**MONOSOMY 6**

- Absent  Cannot be determined  
 Present, *specify*

TESTING METHOD (select all that apply)

- In situ hybridization  
 Multiplex ligation-dependend probe amplification (MLPA)  
 Array-based method  
 Microsatellite analysis

**MYC GENE FAMILY AMPLIFICATION** (*MYC* and/or *MYCN*) 

- Absent  Cannot be determined  
 Absent with low level gain  
 Present, *specify, including copy number*

TESTING METHOD (select all that apply)

- In situ hybridization (FISH, CISH)  
 Array-based method  
 Next-generation sequencing  
 Other, *specify*

**NAB2-STAT6 FUSION** 

**NAB2-STAT6 fusion**

- Negative  Cannot be determined  
 Positive

TESTING METHOD (select all that apply)

- FISH  
 Next generation sequencing  
 Other, *specify*

**STAT6 expression (immunohistochemistry)**

- Absence of nuclear expression  Cannot be determined  
 Positive nuclear expression

**PITUITARY HORMONES AND TRANSCRIPTION FACTORS**  **IMMUNOHISTOCHEMISTRY**

Tumour cells are reactive for (select all that apply)

- Prolactin  Cannot be determined  
 Human growth hormone  
  $\beta$ -TSH  
  $\beta$ -FSH  
  $\beta$ -LH  
 Alpha subunit  
 ACTH  
 PIT1  
 TPIT  
 SF1  
 Other, *specify*

**RELA FUSION** 

- Negative  Cannot be determined  
 Positive

TESTING METHOD (select all that apply)

- FISH  
 Next generation sequencing  
 Other, *specify*

**SMARCA4/BRG1 ALTERATION** 

**SMARCA4/BRG1 mutation**

- Absent  Cannot be determined  
 Present, *specify*

TESTING METHOD (select all that apply)

- Sanger sequencing  
 Next-generation sequencing  
 PCR-based method  
 Other, *specify*

**BRG1 loss of expression (immunohistochemistry)**

- Intact nuclear expression  Cannot be determined  
 Loss of nuclear expression

**SMARCB1/INI1/HSNF5 ALTERATION** 

**SMARCB1/INI1/HSNF5 mutation**

- Absent  Cannot be determined  
 Present, *specify*

TESTING METHOD (select all that apply)

- Sanger sequencing  
 Next-generation sequencing  
 PCR-based method  
 Other, *specify*

**INI1 (BAF47) loss of expression (immunohistochemistry)**

- Intact nuclear expression  Cannot be determined  
 Loss of nuclear expression

**TERT PROMOTER MUTATION** 

- Absent  Cannot be determined  
 Hotspot mutation (C228T or C250T)  
 Other mutation, *specify*

TESTING METHOD (select all that apply)

- Sanger sequencing  
 Next-generation sequencing  
 PCR-based method  
 Other, *specify*

**TP53 MUTATION** 

**TP53 mutation**

- Absent  Cannot be determined  
 Present, *specify*

**EXONS ANALYSED**

- Exons 5-8  
 All exons  
 Other, *specify*

**TESTING METHOD** (select all that apply)

- Sanger sequencing  
 Next-generation sequencing  
 PCR-based method  
 Other, *specify*

**p53 expression (immunohistochemistry)**

- Negative or rare, lightly positive cells  Cannot be determined  
 Intermediate (intermediate numbers of predominantly lightly positive cells)  
 Positive (diffuse and strong nuclear positivity)

**OTHER FINDINGS** 

**Other immunohistochemical findings, specify**


**Other molecular findings, specify test, testing method and findings**


**YAP1 FUSION** 

- Negative  Cannot be determined  
 Positive

**TESTING METHOD** (select all that apply)

- FISH  
 Next generation sequencing  
 Other, *specify*