

## **BRAIN RESECTION – TUMOR**

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- I. Purpose**  
To provide a procedure for the dissection of a resected portion of brain a tumor.
- II. Principle**  
To take histologic sections to demonstrate the pathologic process so that a diagnosis can be made microscopically by a Pathologist.
- III. Equipment**
  - 1. Ruler
  - 2. Forceps
  - 3. Scalpel
- IV. Special Safety Precautions**
  - 1. PPE should be worn.
  - 2. FORMALIN is a known carcinogen.
- V. Supplies and Reagents**
  - 1. 10% NEUTRAL BUFFERED FORMALIN (pH range 6.9-7.2)
- VI. Quality Control**  
All remaining tissue should be retained.
- VII. Limitations/Notes**  
The following may influence the validity of test results:
  - 1. The specimen should be fixed in formalin.
  - 2. For optimal results, the specimen should be fixed overnight.

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### **VIII. Procedure**

1. Measure the specimen (3 dimensions – cm.).
2. If multiple portions of tissue are present, measure the specimen as an aggregate (3 dimensions – cm.).
3. Describe the color and consistency of the specimen.
4. Serially section any larger fragments and describe the cut surfaces.
5. Submit the specimen in at least 2 cassettes (when feasible).
6. If submitting the entire specimen will exceed 10 cassettes, consult the Neuropathologist assigned to the case as to how much tissue should be submitted.
7. If CUSA contents, Sonopet contents, or mucus trap contents are received with the specimen, submit 2 cassettes.
8. The cassettes should be loaded on the appropriate large tissue processor to allow for proper fixation.

### **IX. References**

1. Hruban RH, Westra, WH, Phelps, PH, & Isacson, C: Surgical Pathology Dissection An Illustrated Guide, New York, NY, Springer-Verlag Inc., 1996.
2. Lester, SC: Manual of Surgical Pathology, New York, NY, Churchill Livingstone, 2001.

### **X. Authorized Reviewers**

1. Medical Director, Anatomic Pathology
2. Chief, Surgical Pathology

### **XI. Document Control**

**Location of Master:** Master electronic file stored on the Beaumont Laboratory server under S:\AP\_Grossing\_Manual

**Number of Controlled Copies posted for educational purposes:** 0

**Number of circulating Controlled Copies:** 1

**Location of circulating Controlled Copies:** Master Grossing Manual located in Surgical Pathology

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## Document History

Signature	Date	Revision #		Related Documents Reviewed/ Updated
Prepared by: <i>Anne Tranchida PA(ASCP)</i>	9/28/2007	r00		
Approved by: <i>Ali-Reza Armin, MD</i>	11/28/2007	r00		
Reviewed by: (Signature)	Date	Revision #	Modification	Related Documents Reviewed/ Updated
<i>Ali-Reza Armin, MD</i>	12/10/2008	r00		
<i>Anne R. Tranchida, PA(ASCP)</i>	10/20/2009	r00		
<i>Ali-Reza Armin, MD</i>	10/20/2011	r00		
<i>Ali-Reza Armin, MD</i>	4/03/2013	r00		
<i>Mitval B. Amin, MD</i>	2/14/2015	r00		
<i>Zhenhong H. Qu, MD</i>	3/14/2015	r00		
<i>Kurt Bernacki, MD</i>	10/27/2017	r00		
Revised by: <i>Heather Genson, HTL(ASCP)<sup>CM</sup> PA<sup>CM</sup></i>	3/21/2019	r01	Added to submit 2 cassettes for CUSA, sonopet, or mucus trap contents	
Approved by: <i>Kurt Bernacki, MD</i>	3/21/2019	r01		
<i>Kurt Bernacki, MD</i>	10/22/2019	r01		
<i>Kurt Bernacki, MD</i>	10/20/2021	r01		
<i>Jawwad Arshad, MD</i>	3/20/2023	r01		
Revised by: <i>Heather Genson, HTL(ASCP)<sup>CM</sup> PA<sup>CM</sup></i> <i>Heather Genson</i>	4/25/2025	r02	Added verbiage to split the specimen into at least 2 cassettes	
Approved by: <i>M. Jawwad Arshad MD</i>	4/25/25	r02		

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