



### Lung processing: split biopsy into 5 pieces as shown

1. Remove stapled margin from wedge with **szissors** => **A** for fibroblasts into **culture medium**
2. and cut in half => **B** for omics
3. Cut right edge (15%) **C** => in RNA later (3-5 ml **per max.  $\geq$  0.5 cm tissue piece**)
4. Cut left edge (5%) **D** => Electron microscopy in **Glutaraldehyde buffer**
5. Take middle piece (80%) **E** => Light microscopy in **Formalin, SHAKE for 1 min to inflate tissue !!**

Label all tubes with names/IDs !!!

Ship A. through E. immediately

**To**  
**Kubus Research Center, Room**  
**K0.10,**  
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### Inform about shipping:

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| Materials                      | Material                                                                     | Advice                                                                           | Ship temp         | Where to bring/store in .....                                 |
|--------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------|
| <b>A</b> Culture medium        | DMEM / RPMI +antibiotics, if not available sterile NaCl 0.9%                 | Get from local cell culture lab, sterile saline (if no culture medium available) | Room temperature! | Ship all immediately <b>at room temperature</b> to Munich lab |
| <b>B and C</b> RNAlater        | >5 x <u>max.</u> $\geq$ 0.5 cm tissue pieces                                 |                                                                                  | Room temperature! |                                                               |
| <b>D</b> Glutaraldehyde buffer | 0,1%GA/paraFA buffer, or 2,5% GA in HEPES (can be stored frozen until usage) | <b>Never freeze after sample</b>                                                 | Room temperature! |                                                               |
| <b>E</b> Formalin 4%           | Surgical/patho department                                                    | <b>SHAKE for 1 min to inflate tissue !!</b><br><b>Never freeze</b>               | Room temperature! |                                                               |