



## Spatial transcriptomics sample preparation and analysis service at BGcore

### Structure of one slide experiment fresh frozen:

- Evaluation of the quality of embedded sample.
  - Deliver to us a OCT embedded sample (dry ice), previously cut till the point you considered interesting for your evaluation.
  - Here (link to <https://support.10xgenomics.com/spatial-gene-expression/sample-prep/doc/demonstrated-protocol-visium-spatial-protocols-tissue-preparation-guide>) you will find the 10XGenomics suggested procedure for OCT embedding.
  - We will perform cutting test and RNA quality evaluation.
  - The overall analysis will cost 600 Euros + IVA.

### On the basis of these results we will tell you if we can go head with the service

- Evaluation of the permeabilization of the tissue (reagents provided by BGcore).
  - Permeabilization optimization, performed only ones for a tissue.
  - The overall analysis will cost 1600 euros + IVA.
- Visium experiment.
  - Deliver to us an OCT embedded sample (dry ice), previously cut till the point you considered interesting for your evaluation.
  - We will use 1 kit Visium Spatial Gene Expression Slide & Reagent Kit to perform the analysis of 4 sections (10 microns thickness) from the same sample.
  - The overall analysis costs is :
    - 700 + IVA euros for sample cutting, RNA QC, images acquisition, library (each slide)
    - 500 + IVA euros for backup data storage (5 years) of the raw data
- Further bioinformatics analyses.
  - Other bioinformatics analyses will be performed as collaborative scientific effort and will result in no cost but co-authorship in final papers.
  - In case a bioinformatics service is preferred with respect to the collaboration, please enquire for a cost prevision.

## Single cells data analysis service at BGcore

### scRNAseq:

- Bioinformatics base analysis: 250 euro/sample MBC, 500 euro/sample external (demultiplexing, mapping and count table generation, QC and clustering)
- Advance bioinformatics: ask for collaboration or service costs

## RNAseq library preparation service and analysis at BGcore

### Bulk RNAseq:

- 50 euro/sample MBC, 100 euro/sample external
- basic bioinformatics: collaborative, free of charge (mapping, QC, count table generation, differential gene expression)

### Bulk EXOME-RNAseq:

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- 75 euro/sample MBC, 120 euro/sample external
- basic bioinformatics: collaborative, free of charge (mapping, QC, count table generation, differential gene expression)

**Bulk small RNAseq:**

- 50 euro/sample MBC, 100 euro/sample external
- basic bioinformatics: collaborative, free of charge (mapping, QC, count table generation, differential gene expression)

**Extracellular vesicles RNAseq:**

- 75 euro/sample MBC, 120 euro/sample external
- basic bioinformatics: collaborative, free of charge (mapping, QC, count table generation, differential gene expression)

**Extracellular vesicles small RNAseq:**

- 75 euro/sample MBC, 120 euro/sample external
- basic bioinformatics: collaborative, free of charge (mapping, QC, count table generation, differential gene expression)

**Please note:** As service we will try to keep the overall cost of the sample handling at lowest as possible, because of the high cost of the kits and sequencing. However, ones taken all possible QCs, the samples are prepared and run. If results will be not as good as expected, we cannot provide a backup experiment free of charge.

**All reagents are provided by the requesting lab**