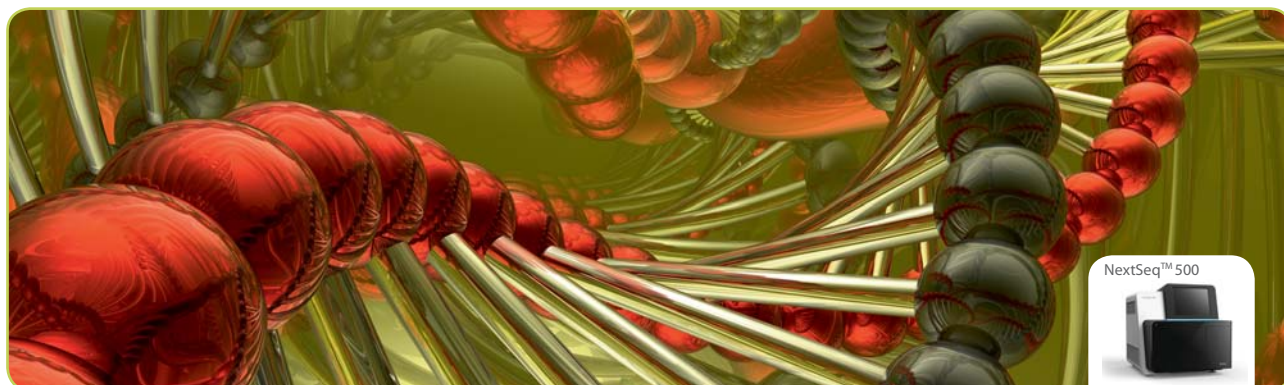




# Illumina mRNA-Seq Service For Gene Expression Profiling



## Introduction

You want to study differential gene expression by using a next generation sequencing (NGS) approach? Then let Microsynth perform your sequencing project. Microsynth has invested in the

new NextSeq™ 500 system from Illumina which is perfectly suited for transcriptome sequencing. Moreover, Microsynth has acquired **extensive bioinformatics know-how** in the field of transcriptional

gene expression profiling. Therefore, do not hesitate to contact us in case you need a professional mRNA-Seq service with **rapid turnover time** for an **attractive price**.

## Workflow

### Project Analysis and Quotation

(Project design consultation with our NGS experts)



### Total RNA Isolation

(either done by customer or outsourced to Microsynth)



### Library Preparation

(mRNA enrichment followed by RNA-Seq Library Prep)



### NextSeq Sequencing

(number of reads depends on studied organism/desired sensitivity)



### Bioinformatics Analysis

Provided output files:

- Raw and normalized counts of the mapping
- Differential analysis results
- Heatmap of top 30 genes
- Sample clustering

## Price Examples

### Example 1

#### mRNA Sequencing for

**CHF 570.-/sample**  
**CHF 775.-/sample\***

- 29 million reads/sample on average
- 12 samples/run

### Example 2

#### mRNA Sequencing for

**CHF 420.-/sample**  
**CHF 572.-/sample\***

- 14.5 million reads/sample on average
- 24 samples/run

All prices include project design consultation, library preparation and sequencing on the Illumina NextSeq system (1 x 75 bp run mode). Prices labeled with "\*" contain also a Microsynth specific bioinformatics analysis package for gene expression profiling. Prices do not include total RNA isolation. All prices are without VAT. Please note that above mentioned prices can further drop in case of higher sample numbers. If time is critical for your project, Microsynth can offer you also an express service.

### Need More Information or a Specific Quote?

Call us at +41-71-722 83 33 ... or

E-mail us at [genome@microsynth.ch](mailto:genome@microsynth.ch)

## Other Illumina NextSeq Applications

- Whole-genome sequencing
- Whole exome sequencing
- Small RNA sequencing
- ChIP sequencing