

Catalog and prices

TRANSCRIPTOMIC & GENOMIC SERVICES

NRAC > transfert Génome & Transcriptome

Microbiology, Agronomy, Environment, Health

Prices available from 31/03/2022 to 31/12/2022







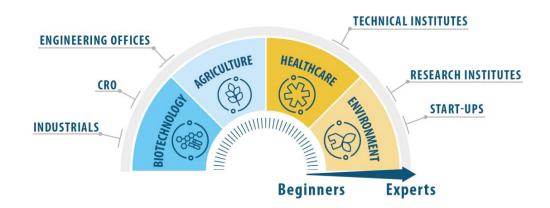






GENOMIC SERVICES

Customers and markets



Solutions we deliver



WHOLE GENOME SEQUENCING

For *De novo* or Re-sequencing applications Analyze Genome structure and mapping Screen for susceptibility/adaptability/resistance genes



TRANSCRIPTOMICS

Expression ProfilingCompare expression levels of transcripts from different samples



GENOTYPING BY SEQUENCING

Allegro ® Targeted genotyping
Target hundreds of thousands of SNPs of interest of any specie with a
flexible probe design and cost-effective targeted genotyping



RESEARCH AND DEVELOPMENT

Support in setting up collaborative project



BIOINFORMATIC & BIOSTATISTIC SOLUTIONS

Delivering comprehensive and high quality data analyses



METAGENOMIC SOLUTIONS

Analyze the diversity and functions of microbial communities



FORMATION AND TECHNOLOGICAL INTEGRATION SUPPORT

Organization of training in the fields of genomics State of the art and support on internalization of genomic skills



EXPERTISE AND ADVICES

Experimental design of your sequencing projects



GET-INRAE TRANSFERT : EASIER ACCESS TO INRAE'S SKILLS

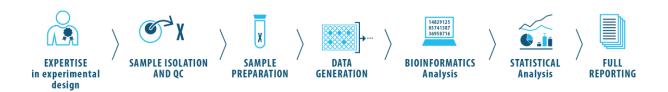
About

GeT-IT (Genomics and Transcriptomics-INRAE TRANSFERT) offers a range of services based on innovations from INRAE (GeT and LBE-INRAE platforms) that meet the expectations and needs of companies in genomic and transcriptomic applications or R and D projects. Our service allows us to offer multi-technology approaches to answer some biological questions of private companies, including sequencing strategy advices, DNA/RNA extraction, dataproduction and bioinformatics/biostatistics analysis.

Customer benefits

- Agility and close support with a team of experts in genomics and bioinformatics
- The access to a portfolio of innovative methodologies and technologies developed by INRAE engineers and researchers
- The use of a French high-throughput sequencing platform dedicated to academic and industrial R&D
- The guarantee of a high quality and clear sequencing processes
- The contract process is quick and flexible, and providing also the possibility of future collaboration with INRAE

Complete workflow from samples to data analysis







Do not hesitate to contact the team for any advice on the services offered in this catalog



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SAMPLING AND PREPARATION

Sampling and preparation of matrices	Unit price (€, without VAT)
Sample preparation (cutting, gridding, leaf disc, centrifugation)	Price upon request
Filtration of water (0.2 µm filter, sequential filtration)	75,83 €
DNA Extraction by kit with complete Quality Control report	68,94 €
DNA Extraction custom with complete Quality Control report	119,53 €
High-throughput plant genomic DNA extraction method suitable for genotyping-by-sequencing (minimum: 96 samples)	Price upon request
RNA Extraction custom with complete Quality Control report	155,39 €
High Molecular Weight DNA Extraction custom with complete Quality Control report	196,12€



Quality controls	Unit price (€, without VAT)
Quantitation by absorbance measure - Nanodrop	19,52€
Quantitation by fluorimetric measure – QuBit	21,38 €
Size fragment analysis by capillary electrophoresis – Fragment Analyzer	43,49 €
Size fragment analysis by pulsed-field capillary electrophoresis – FEMTO	85,63€





QUANTITATIVE REAL TIME PCR AND RT-PCR

Taxonomic groups*	Unit price (€, without VAT)
Total Bacteria by quantitative PCR	102,89 €
Total Bacteria by quantitative RT-PCR	115,62 €
Total Archaea by quantitative PCR	102,89 €
Total Archaea by quantitative RT-PCR	115,62 €
Total Eukaryote by quantitative PCR	102,89 €
Total Eukaryote by quantitative RT-PCR	115,62 €
Total Fungal biomass by quantitative PCR Total Fungal biomass by quantitative RT-PCR	
Enterococcus spp. by quantitative PCR	102,89 €
Enterococcus spp. by quantitative RT-PCR	115,62 €
Eubacterium rectale by quantitative PCR	102,89 €
Eubacterium rectale by quantitative RT-PCR	115,62 €
Lactococcus garviaea by quantitative PCR	102,89 €
Lactococcus garviaea by quantitative RT-PCR	115,62 €

*concentration expressed in number of copies / unit of fresh sample



Pathogens*	Unit price (€, without VAT)
Aspergillus fumigatus by quantitative PCR	102,89 €
Campylobacter jejuni by quantitative PCR	102,89 €
Clostridium perfringens by quantitative PCR	102,89 €
Escherichia coli (gene : uiad A) by quantitative PCR	102,89 €
Legionella pneumophila by quantitative PCR	102,89 €
Legionella spp. by quantitative PCR	102,89 €
Listeria monocytogenes by quantitative PCR	102,89 €
Cutibacterium acnes by quantitative PCR	102,89 €
qPCR assay from the literature	Price upon request

*concentration expressed in number of copies / unit of fresh sample

Microbial source tracking*	Unit price (€, without VAT)
Human fecal contamination (marker : HF 183-Bacteroides dorei)	102,89 €

Digital PCR*	Unit price (€, without VAT)
Absolute quantification of target DNA or RNA by digital PCR (QX200, Bio-Rad)	Price upon request

*concentration expressed in number of copies / unit of fresh sample



Functional genes*	Unit price (€, without VAT)
Methanogenic Archaea (mcrA gene) by quantitative PCR	102,89€
Methanogenic Archaea (mcrA gene) by quantitative RT-PCR	115,62 €
Sulfate reducing Bacteria (dsr B gene) by quantitative PCR	102,89€
Sulfate reducing Bacteria (dsr B gene) by quantitative RT-PCR	115,62 €
Reductive dechlorination of chlorinated pollutants (rdh gene of <i>Dehalococcoides</i> spp.) by quantitative PCR	102,89 €
Reductive dechlorination of chlorinated pollutants (rdh gene of <i>Dehalococcoides</i> spp.) by quantitative RT-PCR	115,62 €
Degradation of HAP (PAH-RDH gene) by quantitative PCR	102,89€
Degradation of HAP (PAH-RDH gene) by quantitative RT-PCR	115,62 €
Anaerobic degradation of mono-aromatic rings (HAP, NP and PCB) (bssa gene) by quantitative PCR	102,89 €
Anaerobic degradation of mono-aromatic rings (HAP, NP and PCB) (bssa gene) by quantitative RT-PCR	115,62 €
Genes of key enzymes of the nitrogen cycle (amoA gene of Bacteria, amoA gene of Archaea, nor A, hao, nirK, norB, nxrA, napA, narG, <i>Anammox</i>) by quantitative PCR	102,89€
Genes of key enzymes of the nitrogen cycle (amoA gene of Bacteria, amoA gene of Archaea, nor A, hao, nirK, norB, nxrA, napA, narG, <i>Anammox</i>) by quantitative RT-PCR	115,62 €
Antibiotic resistances (Betalactamines: bla gene) by quantitative PCR	102,89€
Antibiotic resistances (Betalactamines: bla gene) by quantitative RT-PCR	115,62 €
Antibiotic resistances (Aminoglycosides: aph gene) by quantitative PCR	102,89€
Antibiotic resistances (Aminoglycosides: aph gene) by quantitative RT-PCR	115,62 €
Antibiotic resistances (Macrolides: erm gene) by quantitative PCR	102,89 €
Antibiotic resistances (Macrolides: erm gene) by quantitative RT-PCR	115,62 €
Antibiotic resistances (Sulfonamides: Sul I and Sul II genes) by quantitative PCR	102,89 €
Antibiotic resistances (Sulfonamides: Sul I and Sul II genes) by quantitative RT-PCR	115,62 €
Antibiotic resistances (Fluoroquinolones: qnrA gene) by quantitative PCR	102,89 €
Antibiotic resistances (Fluoroquinolones: qnrA gene) by quantitative RT-PCR	115,62 €

*concentration expressed in number of copies / unit of fresh sample





NEXT GENERATION SEQUENCING

OF COMPLEX MICROBIAL COMMUNITIES

Applications: biodiversity monitoring, contamination tracking, development of pharmaceutical or agrochemical products, crop growth, biofuel production, water quality, evaluation of antibiotic resistance, impacts of industrial activities...

Microbiome Sample Analysis – Approaches to explore microbial diversity and abundance	Unit price (€, without VAT)
Characterization of microbial diversity (Bacteria, Archaea, Eukaryote, or Microalgae) by NGS Illumina MiSeq (30 000 to 100 000 raw reads) and bioinformatics analysis Sequencing, cleaning and trimming of reads, identification and measure of abundances at genus level, database in Excel format, rarefaction curves, diversity indexes and heatmap, interactive report, exportable graphs and figures	110,85 €
Starting from 8 samples in a batch: Characterization of microbial diversity (Bacteria, Archaea, Eukaryote, or Microalgae) by NGS Illumina MiSeq (30 000 to 100 000 raw reads) and bioinformatics analysis Sequencing, cleaning and trimming of reads, identification and measure of abundances at genus level, database in Excel format, rarefaction curves, diversity indexes and heatmap, interactive report, exportable graphs and figures	87,02 €
Tailored statistical analyses of metadata	Price upon request
NGS MiSeq (30 000 to 100 000 raw reads) Raw data, fastaQ production	Price upon request
Microbiome Sample Analysis Approaches to describe the functional potential of microbial communities.	Unit price (€, without VAT)
Whole or ShotGun metagenomics by Illumina or PacBio	Price upon request***
Metatranscriptomics by Illumina (NovaSeq6000) ***The price is dependent on the number of multiplexed samples	Price upon request***

Environmental DNA applications in biomonitoring (eDNA)	Unit price (€, without VAT)
Characterization of Benthic diatoms diversity	Price upon request
Development of eDNA test for any specific aquatic species or group of species	Price upon request





NEXT GENERATION SEQUENCING

OF PLANTS, ANIMALS OR MICROBIAL SPECIES

Genomics	Unit price (€, without VAT)
Short and Long read Whole genome sequencing (WGS)	Price upon request***
Short and Long Read Resequencing	Price upon request***
Targeted resequencing by Illumina (MiSeq, NovaSeq6000)	Price upon request***
**only for research projects in collaboration	
Epigenomics	Unit price (€, without VAT)
Bisulfite-seq sequencing by Illumina NovaSeq6000	Price upon request***
MicroRNA analysis by microarrays technologies	Price upon request***

Genotyping by sequencing	Unit price (€, without VAT)
Allegro ® Targeted genotyping using NGS	Price upon request***

Transcriptomics	Unit price (€, without VAT)
De novo transcriptomics sequencing by Illumina (NovaSeq6000)	Price upon request***
mRNA sequencing by Illumina (NovaSeq6000)	Price upon request***
Expression profiling by microarrays technologies	Price upon request***





BIOINFORMATICS AND BIOSTATISTICS SERVICES

From microbial NGS data	Unit price (€, without VAT)
De novo prokaryotic genome assembly (short and long reads)	Price upon request
Taxonomic assignment using ANI (Average Nucleotide Identity)	Price upon request
Gene prediction and automated genome annotation	Price upon request
Functional analysis for genome annotation using gene ontology terms	Price upon request
Antibiotic resistance and virulence genes profiling from genome annotation	Price upon request
Genotype and SNP Calling - Variant Calling with reference genome	Price upon request
Identification of Differentially Expressed Genes in RNA-seq data with ribodepletion	Price upon request
Functional analysis for RNA-seq using gene ontology terms	Price upon request

From eukaryotic NGS data	Unit price (€, without VAT)
De novo small eukaryotic genome assembly (short and long reads)	Price upon request
Gene prediction and automated genome annotation	Price upon request
Genes of interest (Allergens) profiling from genome annotation	Price upon request
Genotype and SNP Calling - Variant Calling with reference genome	Price upon request
Identification of Differentially Expressed Genes in RNA-seq Data (mRNA enrichment)	Price upon request
Functional analysis for RNA-seq using gene ontology terms	Price upon request



From Metagenomic WGS data with 3 levels of informations (Base, Extended and Deep)	Unit price (€, without VAT)
Characterization of microbial diversity	Price upon request
Alpha and beta diversity analysis and statistical tests	Price upon request
Microbial functional analysis using gene ontology terms from WGS raw data	Price upon request
De novo meta-assembly and automated annotation for microbial community	Price upon request
Antibiotic resistance gene profiling from annotated genes or WGS raw data	Price upon request

Others	Unit price (€, without VAT)
Plasmid assembly with recircularization, from whole genome sequencing data	Price upon request



TAILORED ANALYSIS - FEASABILITY STUDIES

Our experimental platforms offer a set of advanced equipment allowing the implementation of tailored experimental protocols answering specific questions.

INRAE Transfert also offers a wide range of laboratory or pilot scale tests:

- Answer to research questions arising from industrial problems,
- Development of specific protocols,
- Carrying out bioinformatic and biostatistical analysis adapted to your needs,
- Design of primers for different molecular tools (molecular fingerprint, quantitative PCR, sequencing),
- Analysis and interpretation of NGS data based on your questions,
- Development of new indexes of diversity or microbiological monitoring.

INRAE Transfert also offers support for the design of your sampling plans, DNA/RNA extraction, sequencing strategies and bioinfomatic/biostatistic datamining.



For any quotation, please contact our technical service

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SUPPLIES - SAMPLING - ORDERING

In order to facilitate your analysis, INRAE Transfert has at your disposal plastic and/or glass containers (plastic bags, bottles, plastic canisters) as well as sampling and storage protocols adapted to your samples and analyses.

Ordering your sampling supplies

We can take care of your supplies and transports. Specify your need when you request a quote:

- Containers (plastic bags, bottles, plastic canisters...)
- Packaging (cardboard boxes, coolers ...)
- Prepaid Shipping Tickets
- Frequency of shipment of supplies.

Your sample pack will be delivered to you by carrier.

Ordering analyses

By email: contact-get-it@inrae.fr



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