



Get to the heart of your microbial research

LGC successfully develops tailor-made genomics solutions by supporting scientists worldwide in the implementation of their microbial projects. Our experts ensure the best advice by selecting state-of-the-art techniques and bioinformatics tools.

Flexible service modules guarantee a cost-effective and customer orientated strategy depending on the issue in question and the data needed. We can help with any specific element of your scientific work up to complete strategies and solutions.

LGC gives you reliable data mining in fast turnaround time, extensive expertise and support.

You choose where we can help.

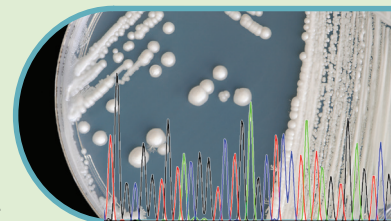
Contact us today to discuss your research project with one of our sequencing specialist

Sanger projects +49 (0)30 5304 2230
sequencing@lgcgroup.com

NGS projects +49 (0)30 5304 2290
ngs@lgcgroup.com

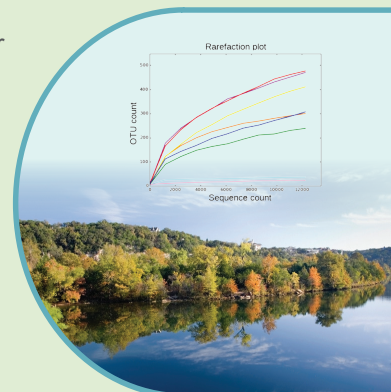
Strain identification

- **DNA preparation**
- 16S or ITS PCR and **Sanger sequencing**
- Single samples or 96-well plates
- Fast lead time, reliable data mining and extensive support



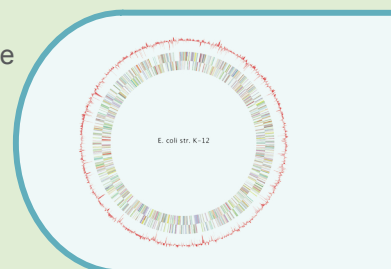
Microbial community analysis

- **Different amplicon sizes** available for 16S/ITS or other conserved genes
- Broad range of starting materials, e.g. air filters, soil, water samples
- Extensive support through the whole process incl. bioinformatics
- **Bespoken primer design** and PCR conditions
- Optimised MiSeq libraries with minor amplification bias/artefacts



Strain characterisation

- **MiSeq / HiSeq** whole genome shotgun sequencing of your microbial isolate
- Variable coverage range according to your individual needs
- Alignment and variant calling versus reference
- **De novo assembly and annotation**



www.lgcgroup.com/genomics • genomics@lgcgroup.com

Science for a safer world

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