

EXPLANATION OF THE PROCUREMENT DOCUMENTS

CONTRACTING AUTHORITY: Czech University of Life Sciences Prague
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In Prague on 23rd December 2021

EXPLANATION OF THE PROCUREMENT DOCUMENTS I.

Pursuant to Section 98 of Act No. 134/2016 Coll., On Public Procurement, as amended (hereinafter referred to as the "Act"), the aforementioned contracting entity shall provide you with the following explanation / amendment or supplement to the tender documentation „**Service for metatranscriptome sequencing**”

Wording request for the explanation of the procurement documents No. 1:

The technical specification says: “Enhancement of RNA fraction (ribosome depletion for both prokaryotic and eukaryotic species) before the preparation of cDNA library.” Our proposed library prep. solution is based on specifically targeted depletion of cDNA libraries, so after the preparation of cDNA library.

Thanks to CISPR/Cas9 enzyme and gRNA, our solution allows for more efficient and precise depletion of desired targets. Our library preparation also avoids the unspecific depletion of untargeted RNA and also decrease unwanted RNA degradation, which happens during the traditional RNA depletion before cDNA reverse transcription.

Therefore, our depletion of targeted RNA takes place after cDNA library synthesis and is much more precise and also cost-effective than the traditional approaches.

Would the Client also accept a solution based on depletion after cDNA library preparation? Or is there any specific reason to insist on RNA depletion prior cDNA conversion?

The explanation of the procurement documents No. 1:

rRNA depletion technology would individually treat each of Contracting Authorities samples, and the treatment result could be read from the library QC test. There is no risk of false-positive results from a mixed library. The whole process is complete, well-optimized and perfect. Contracting Authority has previous experience with rRNA depletion methods, which suits his bark beetle samples. So, Contracting Authority does not want to experiment with other methodologies while he rushes to publish his data. Contracting Authority already had past data, and he needs the new data to be comparable.

Best regards

Mgr. Lucie Smrčinová, LL.M.
Legal department
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