



inqaba biotec™

Africa's Genomics Company



INQABA BIOTEC FRAGMENT ANALYSIS INFORMATION

Dear Valued Inqaba Customer,

Thank you for choosing Inqaba Biotech for all your fragment analysis requirements. The purpose of this file is to assist you in choosing your customised service according to your projects requirements. Each fragment analysis project is unique; please do not hesitate to consult Mischa Fraser (mischa.fraser@inqababiotec.co.za) to assist you in designing your experiment. Please do not hesitate to contact us via e-mail (mischa.fraser@inqababiotec.co.za or christiaan.labuschagne@inqababiotec.co.za) should you have any further questions, would like to request a quotation or would like to share your comments.

Our Sanger Sequencing Department (Fragment Analysis) provides the following services to suite your individual needs:

- Fragment Analysis – A fragment analysis reaction product is submitted. Dilution specifications are submitted. All products should be submitted protected from light. Inqaba injects the samples on the ABI 3500XL Genetic Analyzer. Inqaba provides fsa files from injections.
- Fragment Analysis Plus – A fragment analysis reaction product is submitted. Dilution specifications are submitted. All products should be submitted protected from light. Inqaba injects the samples on the ABI 3500XL Genetic Analyzer. Inqaba performs initial analysis and provides both the fsa files as well as an excel table with the FA scores.

Standard FA parameters: DS-33 Matrix Standard (G5 Dye Set), LIZ500 (ThermoScientific), ABI 3500XL Genetic Analyzer, POP7™ (ThermoScientific).

Inqaba Biotechnical Industries (Pty) Ltd
525 Justice Mahomed Street
Muckleneuk
0002

Tel: 012 343 5829
Fax: 012 343 0287
E-mail: info@inqababiotec.co.za

Whilst every effort is made in ensuring the accuracy of results, it is the sender's responsibility to ensure the correctness of the information accompanying sample(s).

In order to streamline all processes in the laboratory we request that you provide FA products, gDNA and primers with the following considerations:

- Primers – minimum 10µl with a concentration of 10µM + **1µl for every reaction required**. Fluorescently labelled primers should be submitted protected from light.
- FA PCR products – minimum 15µl
- gDNA – minimum of 20µl with a minimum concentration of 50ng/µl.

Additional core services are also available at Inqaba in order to better provide support for all your service requests:

- Sample collection via courier
- gDNA extraction – plates with bacterial, fungal and yeast cultures are accepted.
- Primer synthesis – please submit primer sequences in 5' to 3' orientation.
- PCR amplification from gDNA – please provide samples and primers with the correct concentrations.

Please note that samples will be discarded 2 months after the order has been completed; please make alternative arrangements should you wish to retain the samples/primers.