

AuthentiCell Testing Kit Sampling Procedures Important notes

Documentation

Please ensure that the Registration Form is completed **IN FULL** before placing it together with the labelled FTA card in the envelope supplied addressed to NorthGene Ltd. Information such as cell counts/DNA concentrations is beneficial to the laboratory staff when undertaking analysis.

Sample collection

You have been provided with an FTA card sample collection kit. An FTA card is an indicating piece of cardboard which will change colour in the presence of liquid from pink to white. The card must be labelled with a minimum of the culture name and concentration of cells or DNA applied to the card.

Cells

1. Create a cell suspension with minimum concentration of 5×10^5 cells/ml and then pipette 50 μ l (minimum 25,000 cells) onto the centre of the FTA card.
2. Leave the FTA Card to dry for approximately 2 minutes before placing the card back into its plastic bag with the desiccant.
3. Please note, if preparing more than one FTA card for authentication, each card needs to be placed in the separate bags provided.
4. FTA cards are designed for long term storage in difficult conditions; they have been proven to be stable at room temperature for up to seven years.

Pre-Extracted DNA

If adding pre-extracted DNA we recommend 50 μ l at a minimum concentration of 10ng/ μ l. DNA in standard TE buffer is fine to use. Please specify concentration on the sample submission form as it can help the lab if any problems are encountered.

Sample return

A pre-addressed envelope is included in your kit to return the samples to direct to NorthGene Ltd.

1. Place the loaded FTA cards inside the re-sealable plastic bag ensuring the silica gel pack remains inside and close the seal
2. Place this bag inside the brown envelope labelled “*Please return cards in this envelope*”
3. Add brown envelope to the large pre-addressed envelope ensuring you include the sample submission form
 - Please note the address on the return envelope is for our partners, NorthGene Ltd, who will be carrying out the biochemical STR profiling service on behalf of ECACC
 - You will receive confirmation from ECACC with an estimated report release date once your samples have been received by NorthGene Ltd and are being processed
 - Shipments must be labelled appropriately if the samples are biohazards. Please contact your courier if unsure.

Contact us

If you encounter any problems with your sample collection for Cell Line Authentication please do not hesitate to contact ECACC Technical Support.

Telephone: +44 (0) 1980 612684

Email: Culturecollections.Technical@phe.gov.uk

Address: Culture Collections, UK Health Security Agency (UKHSA), Porton Down, Salisbury, SP4 0JG, UK