



CELL AUTHENTICATION TESTING SERVICE

MOUSE STR TESTING

SAMPLE PREPARATION INSTRUCTIONS

Fill out a separate Cell Authentication Sample Submission Form for each sample submitted. Be sure the Barcode Number on the top of the Sample Submission Form matches the Barcode Number on the Sample Collection Card.

You can submit your samples in 1 of 2 formats.

1. Cells spotted on FTA™ paper

For cells spotted on FTA™ paper

Note: Cells should be spotted at a target density of 1×10^6 cells/mL. Cell counting is recommended as cells spotted at a density less than 0.8×10^6 cells/mL or greater than 1.7×10^6 cells/mL may not yield acceptable results.

- Prepare the samples one at a time at an optimal target cell density of 1×10^6 cells/mL.
 - For attached cells: Trypsinize and centrifuge at $125 \times g$ for 5 to 7 minutes. Discard the supernatant and suspend the cell pellet in a small volume of phosphate buffered saline (PBS). Count the cells and dilute the sample to 1×10^6 cells/mL. If the cells are too dilute, re-centrifuge and suspend them in a volume of PBS that will result in a spotting density of 1×10^6 cells/mL.
 - For suspension cells: Harvest and count the cells. If cell density is greater than 1.7×10^6 cells/mL, dilute the sample in PBS to 1×10^6 cells/mL. If cell density is less than 0.8×10^6 cells/mL, centrifuge the cells and suspend them in a volume of PBS that will result in a cell density of 1×10^6 cells/mL.
- Continue to Step 3 to spot the cells.

For DNA spotted on FTA™ paper

Note: DNA should be spotted at a target concentration of 20 ng/μL. Quantitation of DNA is recommended as DNA spotted at a concentration less than 15 ng/μL or greater than 30 ng/μL may not yield acceptable results.

- Prepare the samples one at a time at an optimal target DNA concentration of 20 ng/μL.
- Continue to Step 3 to spot the DNA.
- Before handling the Sample Collection Card, thoroughly clean the work surface. With gloved hands, carefully open the Sample Collection Kit and remove the Sample Collection Card. **Important:** Wear gloves when handling the Sample Collection Cards to avoid cross-contamination with your own DNA.
- Clearly label the Sample Collection Card with the cell line name/designation. If sending multiple cell lines, use a separate card for each cell line and make sure the information on the card matches the information on the Sample Submission Form.
- Carefully mix and spot 40 μL of the cell suspension or DNA prepared in step 1 above at 1×10^6 cells/mL or 20 ng/μL in the center of the circle on the inside of the Sample Collection Card.
- Allow the Sample Collection Card to air dry in a laminar flow hood at room temperature (recommended drying time is at least 15 minutes).
- When the Sample Collection Card is dry, place it and one desiccant pack (provided with the Kit) in the Multibarrier Pouch. **Important:** To avoid cross-contamination, use one Multibarrier Pouch per sample being submitted.
- Be sure to completely close the Multibarrier Pouch to preserve and protect the sample.
- Repeat this process for each sample being submitted for testing, manipulating only one cell line at a time to avoid cross-contamination.
- When the cell lines have been spotted and sealed in separate Multibarrier Pouches, place them and the completed corresponding Sample Submission Forms into the pre-addressed Return Envelope(s). If space allows, you may place multiple Multibarrier Pouches into one Return Envelope (be sure to include the Sample Submission Form(s)).
- Affix the appropriate postage and place the sealed, pre-addressed Return Envelope(s) in the mail. If using an overnight service, please send the sample to the address listed on the pre-addressed Return Envelope. **Important:** For International Customers, please add the words "FTA Sample Papers" to the item description on your Air Waybill labels to avoid delays when mailing your samples.

Checklist: Before mailing your sample, did you?

- ☒ Complete the Submission Form, be sure to complete the hazard statement
- ☒ Include the Submission Form and Multibarrier Pouch containing FTA Sample Card(s) in the pre-addressed Return Envelope

- ☒ If mailing more than one sample, please be sure to match the FTA Card barcode number with the Submission Form barcode number
- ☒ Add words "FTA Sample Papers" to item description on Air Waybill labels
- ☒ Mail the pre-addressed Return Envelope

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↑ 試料の送付時にチェックして、漏れないことをご確認下さい。

KEEP THIS PORTION FOR YOUR RECORDS. Not For Medical Diagnostic Use.

Cell Authentication Service – Mouse STR Testing

Thank you for placing an order for the Mouse STR Testing Service.
Please read this form in its entirety and follow all steps accurately.

バーコードを添付して下さい。

1 The Mouse STR Testing Results will be emailed by ATCC to the email address provided below.
Customer Information (All fields are required. Please print information to ensure it is legible)

(Please print clearly; authentication results will be sent to the email address above)

Phone +81-3-5684-1645 **国番号から記入して下さい。** Ext. _____
(Include Country Code)

2 Prepare your sample according to the Sample Preparation Instructions found on the back of this form. Enter the cell line information and sign the hazard statement below (REQUIRED).

Mouse Cell Line Information

Please verify that the barcode number on your sample card matches the barcode number on this form for each sample.

Mouse Cell Line Name/Designation NIH/3T3 Catalog/Item # (If any) CL-1658

Hazard Statement

ATCC does not accept cultures infected with HIV or Biosafety Level 3 or 4 agents for STR testing. To the best of my knowledge the cell line being submitted is free of hazardous materials, agents, and carcinogens.

Print Name Koshio Funakoshi

Signature Koshio Funakoshi ご署名 Date MM/DD/YY

3 Mail your sample and this completed form in the pre-addressed Return Envelope included within the kit.

IMPORTANT: For International Customers, please add the words **"FTA Sample Papers"** in the item description on your Air Waybill to avoid delays when mailing your samples. If including more than one sample, please fill out a separate Cell Authentication Testing Service Mouse STR Submission Form for each sample submitted.

バーコードを添付して下さい。

KEEP THIS PORTION FOR YOUR RECORDS

Date sample submitted MM/DD/YY

Name Koshio Funakoshi E-mail atcc@funakoshi.co.jp

MouseSTRTesting-072019-02

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Place Barcode Label