

README

hPSC Scorecard™ Analysis Software

CONTENTS

OVERVIEW
FEATURES
COMPATIBILITY
RECOMMENDATIONS
KNOWN ISSUES
TERMS OF USE

OVERVIEW

- The hPSC Scorecard™ Analysis software is an easy-to-use data analysis tool that utilizes a proprietary algorithm to rapidly and accurately confirm pluripotency based on a panel of 94 genes. The software compares the gene expression results of samples to a reference standard to identify cell lines with trilineage differentiation potential. The hPSC Scorecard™ Analysis software is compatible with a wide range of Applied Biosystem Real-Time® PCR systems including the QuantStudio™ 12K Flex, QuantStudio™ 6 Flex, QuantStudio™ 7 Flex, ViiA™ 7, StepOnePlus™, 7500 Fast and 7900HT systems.

FEATURES

- **Determine a cell line's trilineage differentiation potential**

Include randomly differentiated embryoid body (EB) samples, to quickly determine whether your cell line is biased towards one or more of the three germ layers (endoderm, ectoderm, mesoderm)

- **Confirm pluripotency with minimal effort**

Curious if your cells are pluripotent? The hPSC Scorecard™ analysis software not only looks at the expression of the pluripotency genes, but confirms that your cells are not expressing any germ layer specific genes.

- **Compare results to validated content**

The contents of the reference panel are based on published work (Bock *et al.*, Cell 144, 439–452, 2011) and were validated against multiple human ES and iPS lines.

- **Access, report, and share data in minimal time**

Because the software is web-based, you can securely access and retrieve data anywhere internet access is available. Once logged in, you can build projects and reports from one or from many experiments to quickly share your results with others.

COMPATIBILITY

- When deployed in the cloud configuration, the hPSC Scorecard™ Analysis Software is accessed as an internet application that is optimized for use with Internet Explorer® 9 (IE9), Google® Chrome™, and Safari® browsers.

RECOMMENDATIONS

- 1) Users must sign in to the cloud deployment of the software using a Life Technologies user account in order to create, edit, and save projects. To protect a project against edits from other users, Life Technologies recommends that multiple users do not sign in to the software using the same user name and password.

KNOWN ISSUES

- 1) After successfully signing in to the cloud deployment of the software using your Life Technologies user account, you may not be directed to the hPSC Scorecard™ Analysis Software homepage. Refresh the browser window containing the link to the software and try to sign in to your account again.
- 2) Retrieving a forgotten user name or password by email may not work at this time. Contact Life Technologies Technical Support.
- 3) Import - User cannot select multiple experiment files to import at one time in IE9
- 4) UI - There are no labels for sample name in the plate setup in IE9, user will not be able to distinguish which field is for sample
- 5) UI - UI is not automatically refreshed for the replicates when user edits the name of the parent replicate
- 6) UI - Box plot: rollover state does not disappear after the mouse moves away from the plot.
- 7) Project import may fail, depending on the transfer time limit of your network. Try to import again at a time of reduced network use, or decrease the size of the project.
- 8) If the information on the page does not update, refresh the browser window.

- 9) User may be prompted a warning message on mac machines on launch of the compression utility for the first time. To launch the compression utility, user needs to navigate to the downloaded utility, hold on to control key and click on the utility.
- 10) Microsoft Excel may open the file in protected view by default when you download and open a file originated from the internet or try to open file types created in previous versions of Office (like a Word 95 document). This causes the editing functions to be disabled. If you need to edit the file, you may have to enable editing or disable the file protection.

TERMS OF USE

See the Terms of Use in the software. You must agree to the terms of the terms of use before accessing the software.

Copyright © 2014 Life Technologies Corporation. All rights reserved
5791 Van Allen Way
Carlsbad, CA 92008 USA

The trademarks mentioned herein are the property of Life Technologies Corporation and/or its affiliate(s) or their respective owners. Internet Explorer is a registered trademark of Microsoft Corporation. Google is a registered trademark and Chrome is a trademark of Google, Inc. Safari is a registered trademark of Apple, Inc.

For Research Use Only. Not for use in diagnostic procedures.