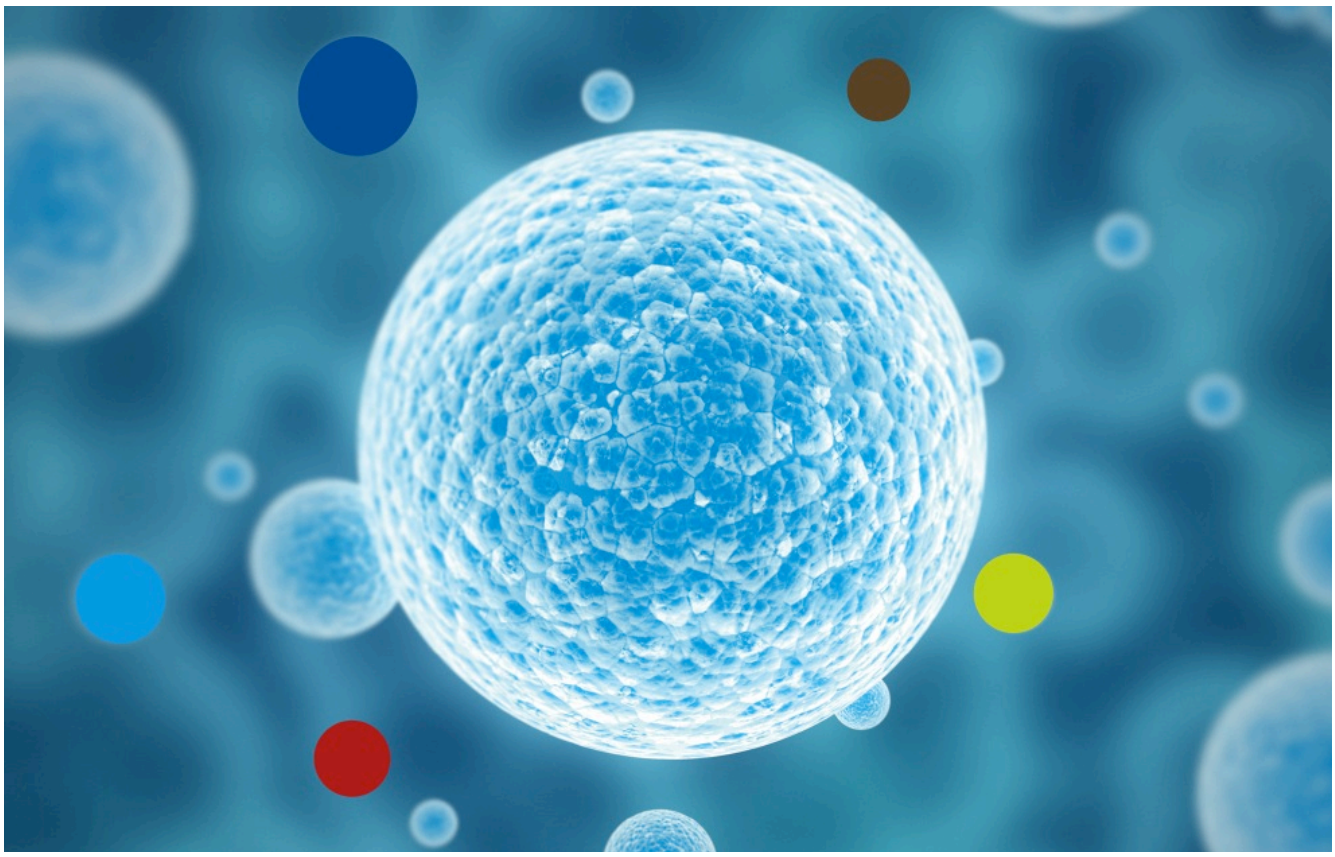
EBiSC Catalogue User Guide

European Bank for induced pluripotent Stem Cells



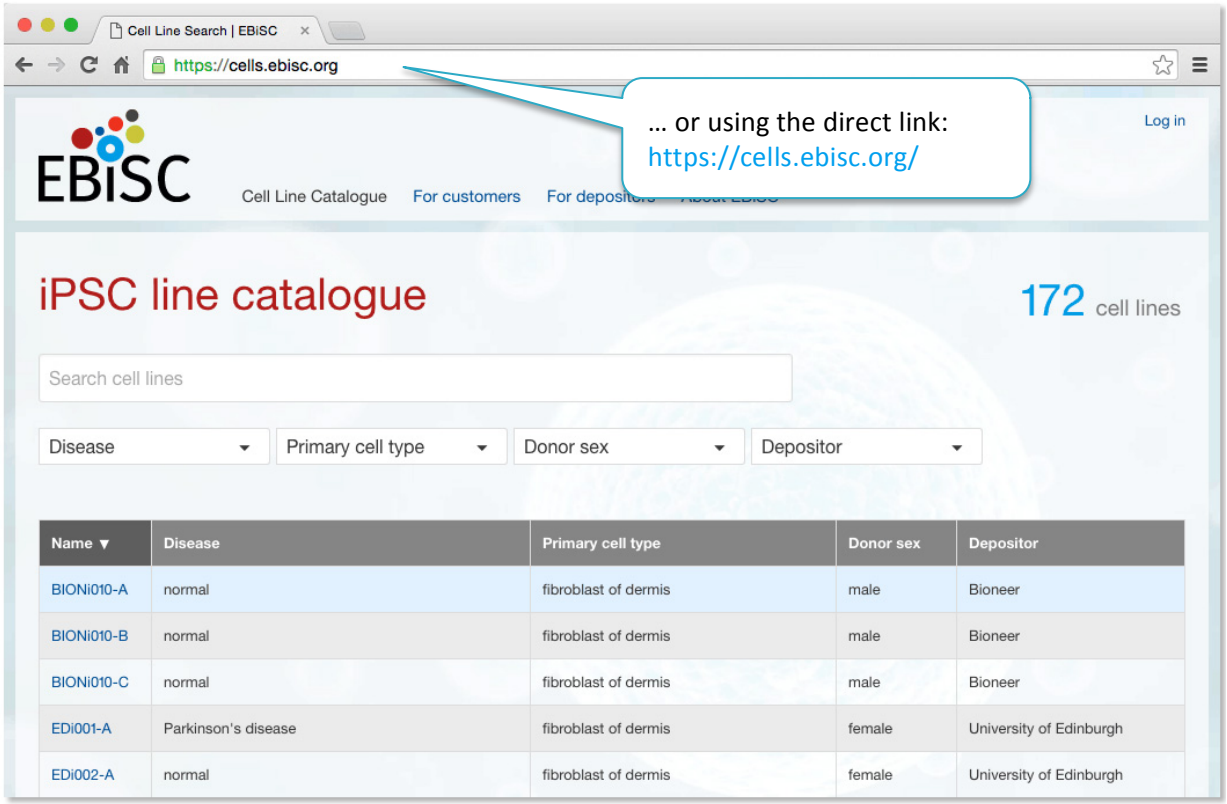
https://cells.ebisc.org & http://ebisc.org/

The EBiSC - European Bank for induced pluripotent Stem Cells project has received support from the Innovative Medicines Initiative Joint Undertaking under grant agreement n° 115582, resources of which are composed of a financial contribution from the European Union's Seventh Framework Programme (FP7/2007-2013) and EFPIA companies' in kind contribution. www.imi.europa.eu

The EBiSC Cell line catalogue lists all EBiSC cell lines available for purchase. The lines are displayed in a table that presents a general overview of the collection and supports sorting by different parameters such as name, depositor, disease and cell type).

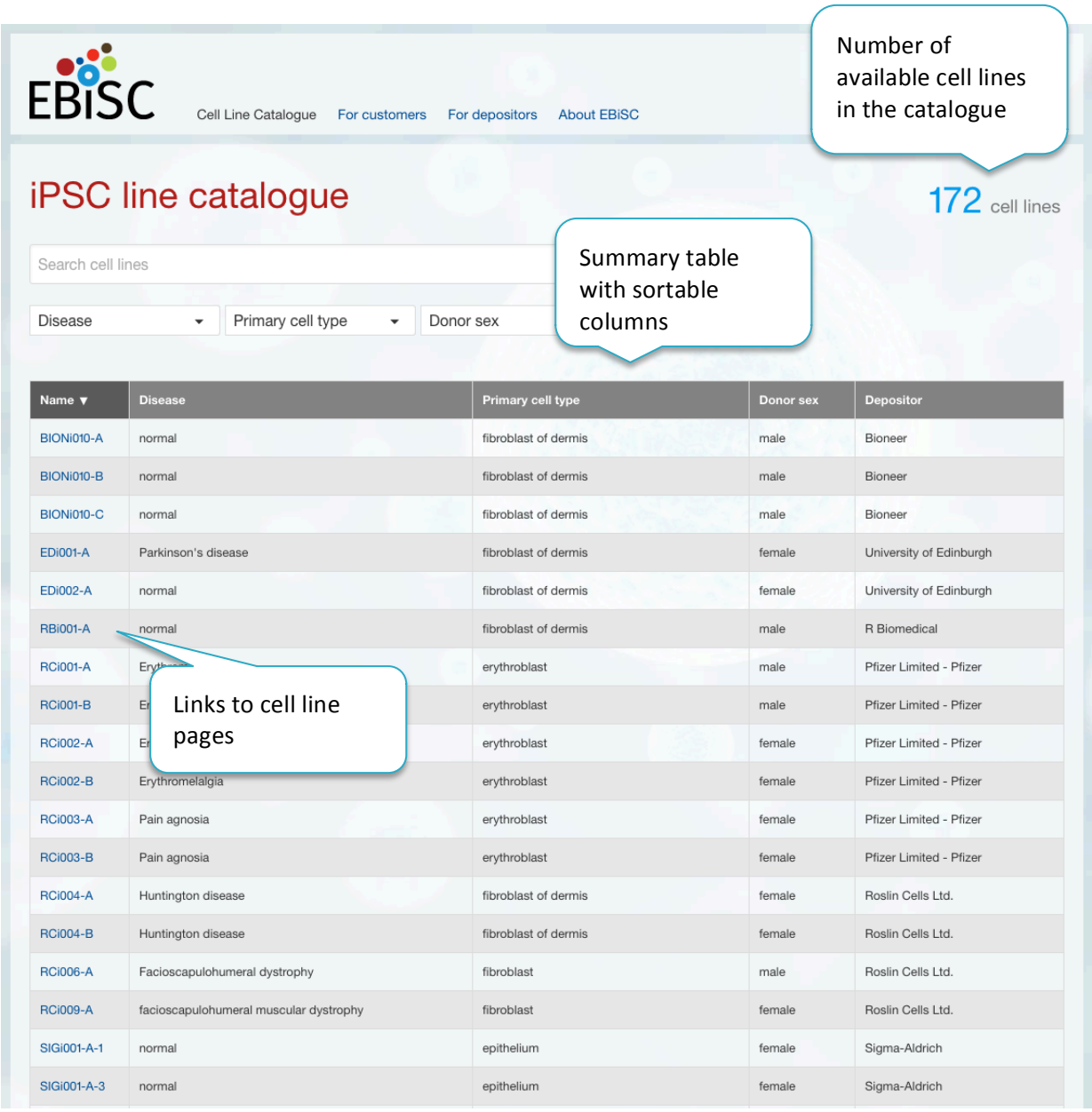
Accessing the Catalogue

You can access the catalogue via the main EBiSC website (http://ebisc.org/) or directly (https://cells.ebisc.org/).



About the Catalogue

The front page displays the current status of the catalogue and includes all lines that are available for purchase. They are displayed in a searchable table that provides cell line summary information: the disease state, primary cell type, donor sex and depositing organisation. The name column links to a separate individual page for each cell line.



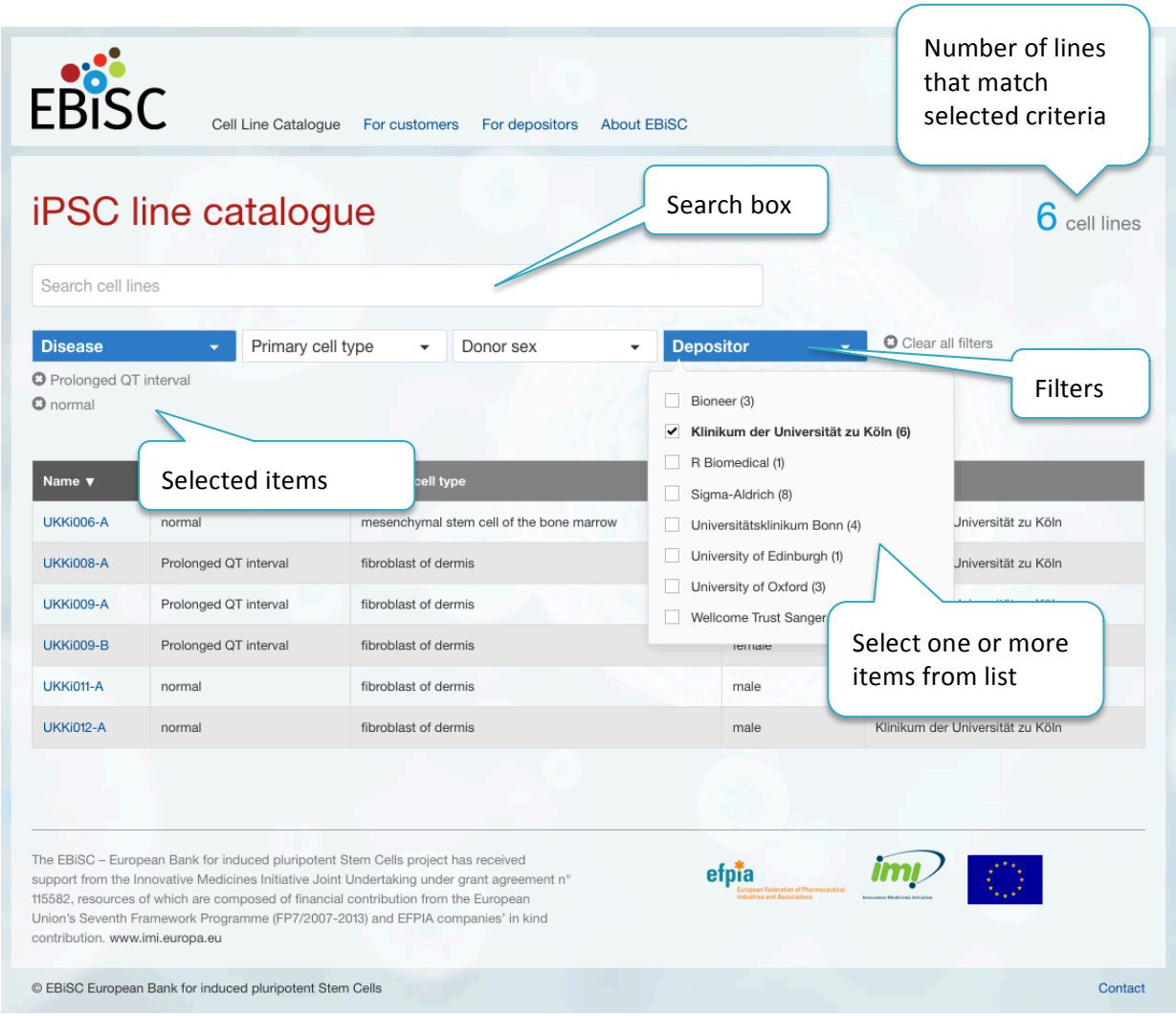
Name ▼	Disease	Primary cell type	Donor sex	Depositor
BIONi010-A	normal	fibroblast of dermis	male	Bioneer
BIONi010-B	normal	fibroblast of dermis	male	Bioneer
BIONi010-C	normal	fibroblast of dermis	male	Bioneer
EDi001-A	Parkinson's disease	fibroblast of dermis	female	University of Edinburgh
EDi002-A	normal	fibroblast of dermis	female	University of Edinburgh
RBi001-A	normal	fibroblast of dermis	male	R Biomedical
RCi001-A	Ery	erythroblast	male	Pfizer Limited - Pfizer
RCi001-B	Er	erythroblast	male	Pfizer Limited - Pfizer
RCi002-A	Er	erythroblast	female	Pfizer Limited - Pfizer
RCi002-B	Erythromelalgia	erythroblast	female	Pfizer Limited - Pfizer
RCi003-A	Pain agnosia	erythroblast	female	Pfizer Limited - Pfizer
RCi003-B	Pain agnosia	erythroblast	female	Pfizer Limited - Pfizer
RCi004-A	Huntington disease	fibroblast of dermis	female	Roslin Cells Ltd.
RCi004-B	Huntington disease	fibroblast of dermis	female	Roslin Cells Ltd.
RCi006-A	Facioscapulohumeral dystrophy	fibroblast	male	Roslin Cells Ltd.
RCi009-A	facioscapulohumeral muscular dystrophy	fibroblast	female	Roslin Cells Ltd.
SIGi001-A-1	normal	epithelium	female	Sigma-Aldrich
SIGi001-A-3	normal	epithelium	female	Sigma-Aldrich

Search and filtering

You can use keyword search and faceted filtering to narrow the number of displayed cell lines from the catalogue.

Filter Search

You can use multiple filters and values within filters when looking for suitable cell lines.



Currently available filters are: Disease, Primary Cell type, Donor sex and Depositing organisation. The numbers next to items inside filters display how many lines in the catalogue match the selection criteria. Each time you select values for a filter they appear below the filter box. The selection items in all other filters are refreshed according to your current selection and availability in the catalogue.

You can remove selected filter items by clicking on the x icon in front of each item. Or you can click on “Clear all filters” to remove all selected items.

Keyword search

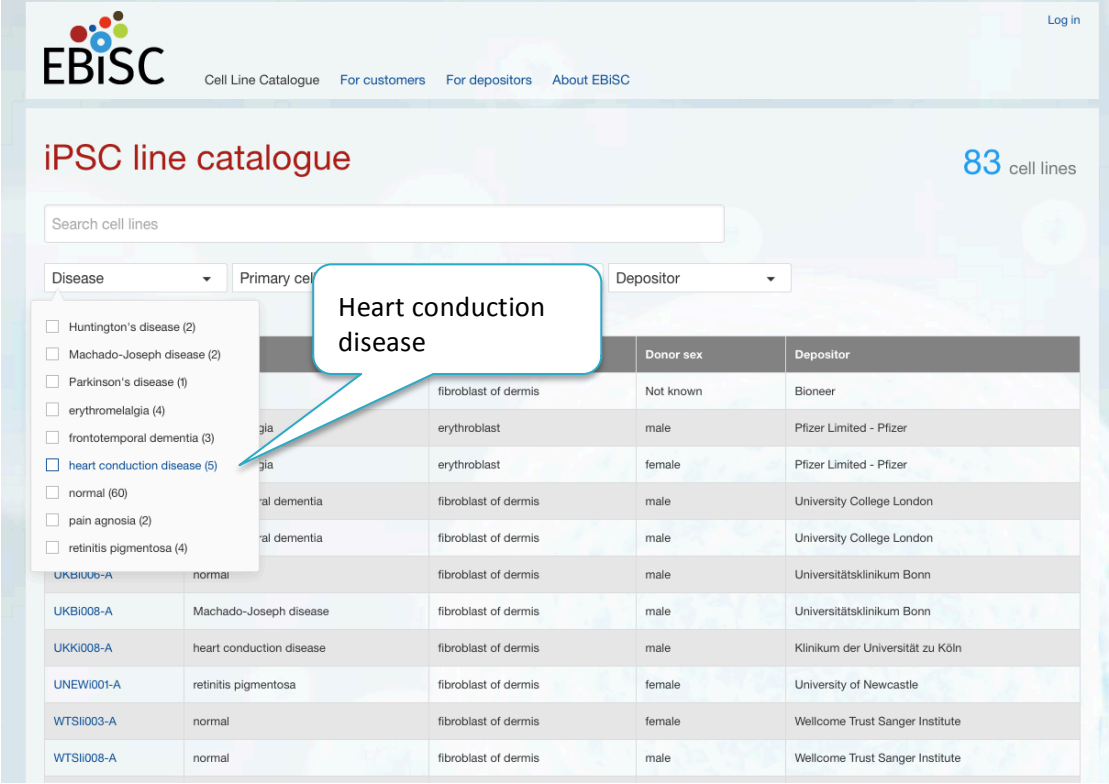
The search box above the filters enables broader searching. You can find lines based on other descriptive information associated with them, beyond what is displayed in the summary table.

The number of found / available cell lines that match your selected criteria always appears in the upper right hand side of the page.

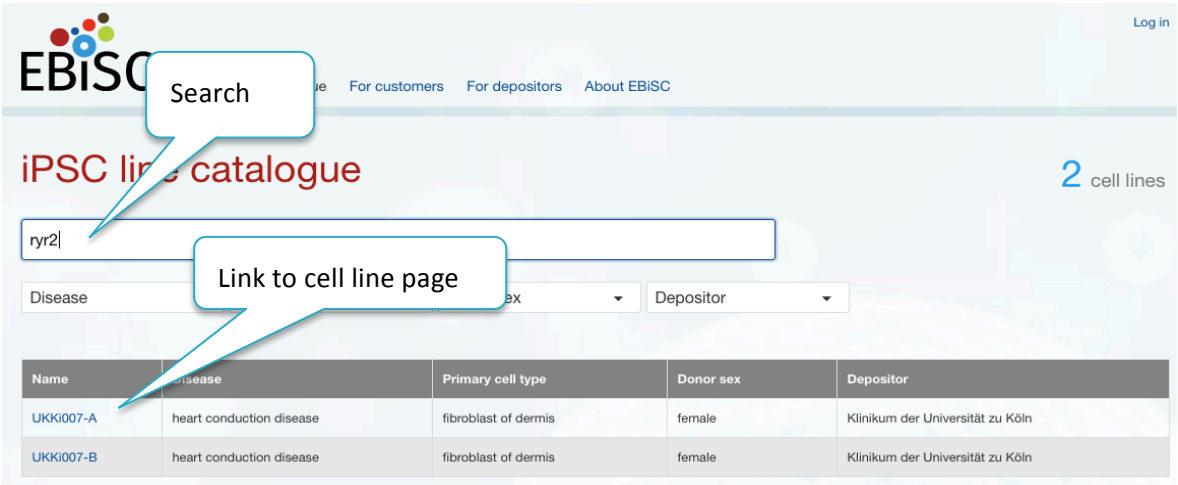
Example search

Anne is looking for lines associated with heart conduction disease and lines with mutations in RYR2.

First, Anne looks at the disease dropdown filter. She sees heart conduction disease and that there are five lines associated with that disease available in the EBiSC catalogue. Anne clicks on the heart conduction check box and this filters the results in the summary table to five lines that are associated with this disease.



Anne is particularly interested in mutations in the RYR2 gene. The information is not visible in the summary table, so Anne decides to use the search box and types RYR2. The table is further filtered to lines that have this gene name in their description.



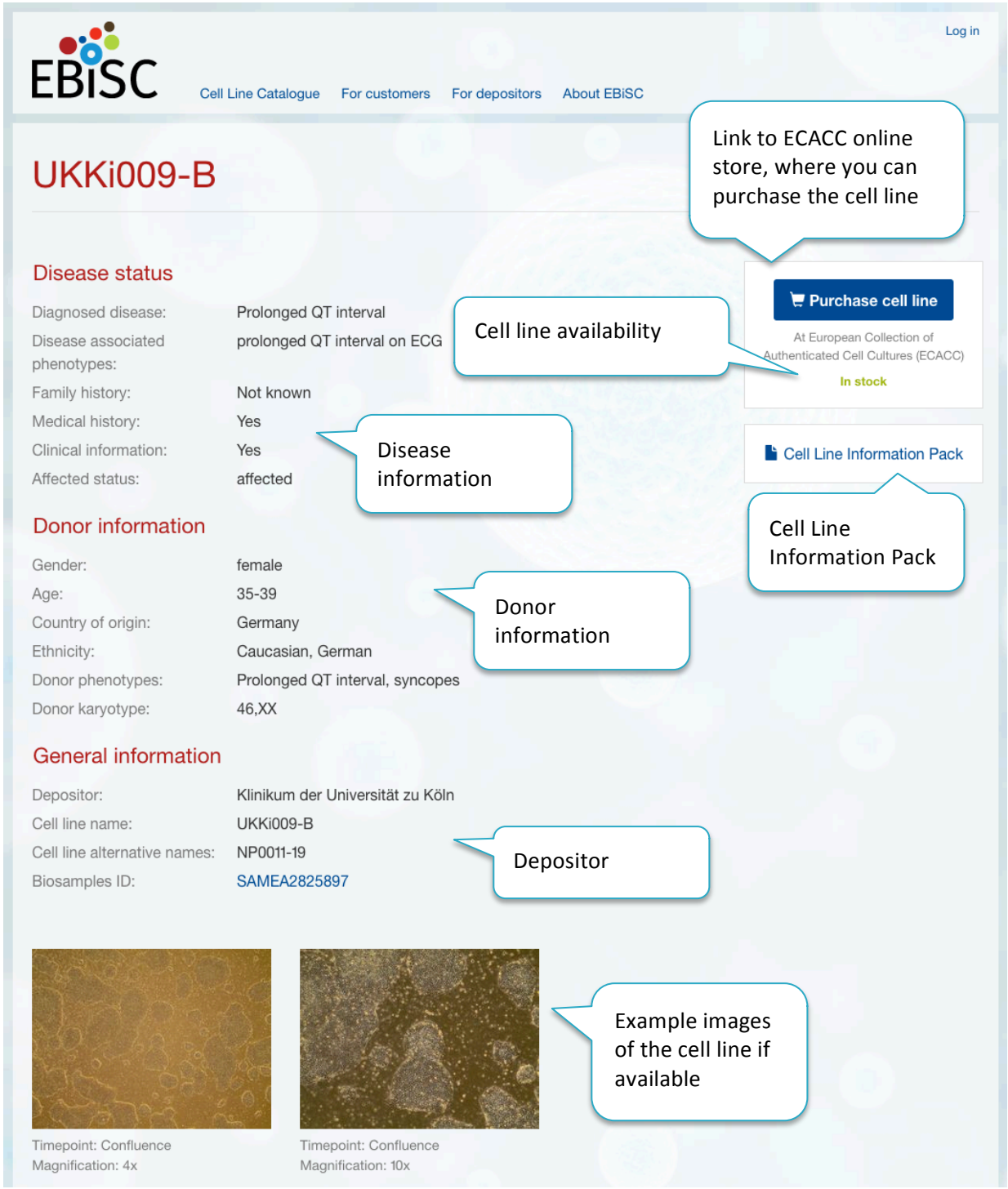
There are two lines with the RYR2 gene in their description. These are actually two different cell lines from the same donor. This can been seen from the cell line name, both lines have the stem UKKi007 following by a different letter, A and B.

After finding lines of interest, Anne can now view detailed information on each cell line by clicking on their names.

Cell line page

Each cell line page displays:

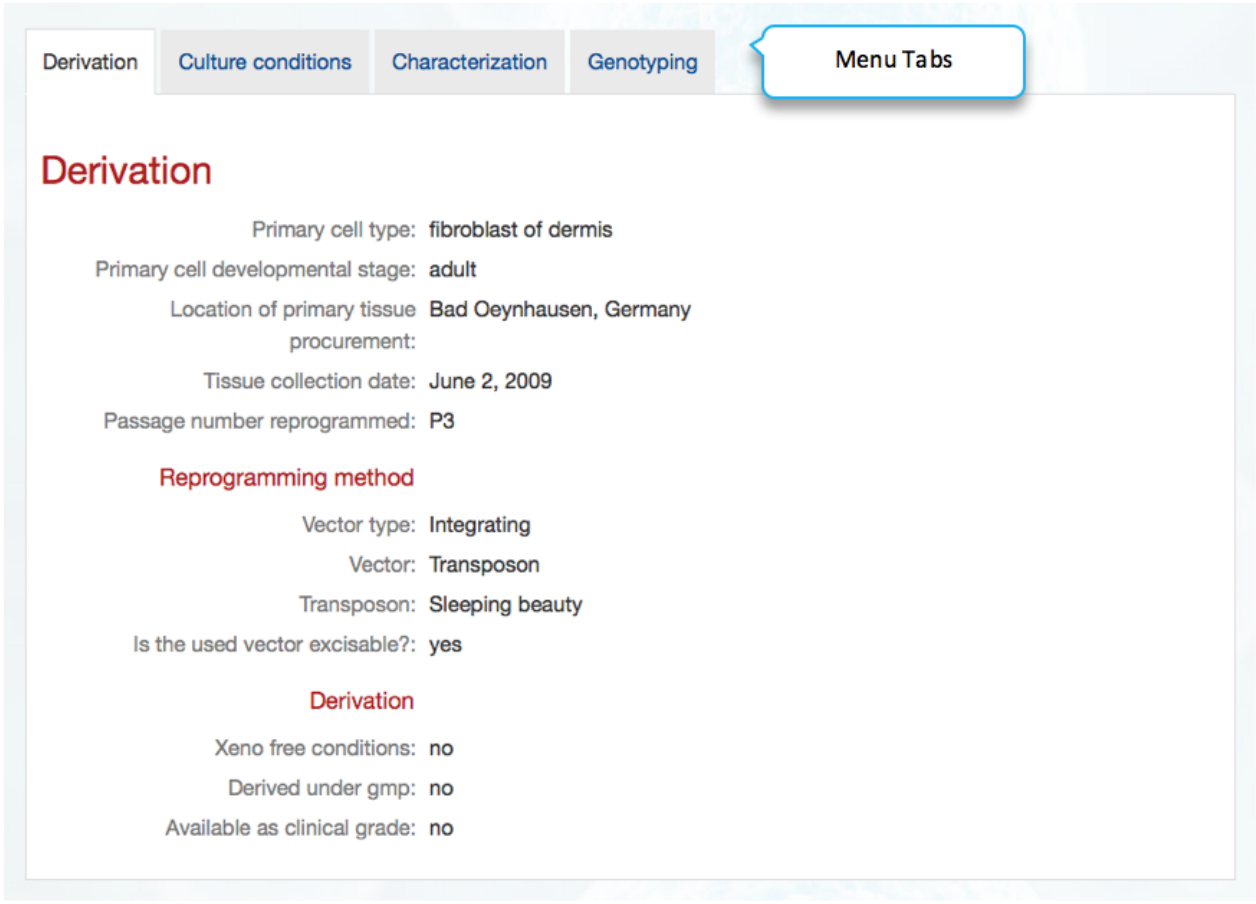
- General information about a cell line, including donor and disease information, depositor and reference publications
- Link to the ECACC catalogue where you can purchase the cell line
- Link to the Cell line information pack
- Images of the cell line if available



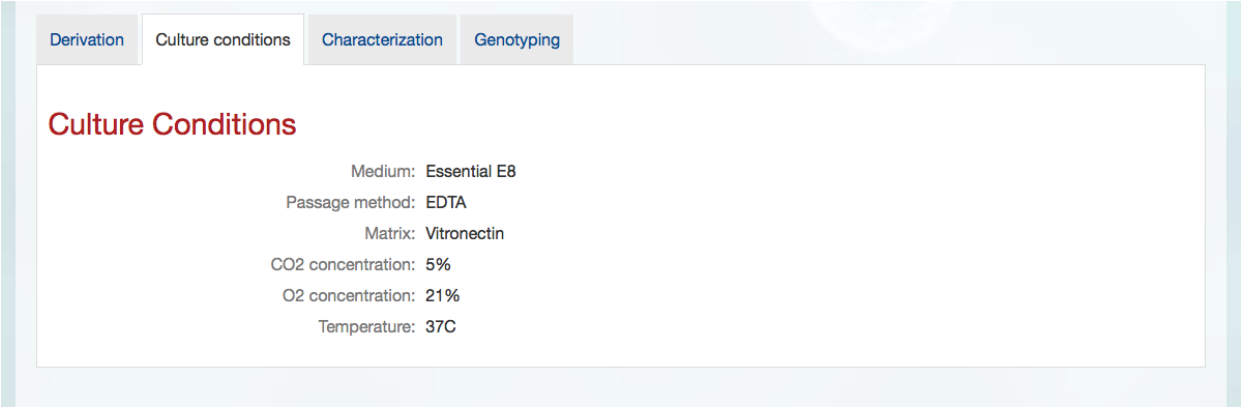
Further down the page you can find additional information about the cell line and how it was created. The depositor provided this information when registering the line in hPSCreg (http://hpscreg.eu).

This information is displayed in a single box with four tabs: derivation, culture conditions, characterisation and genotyping.

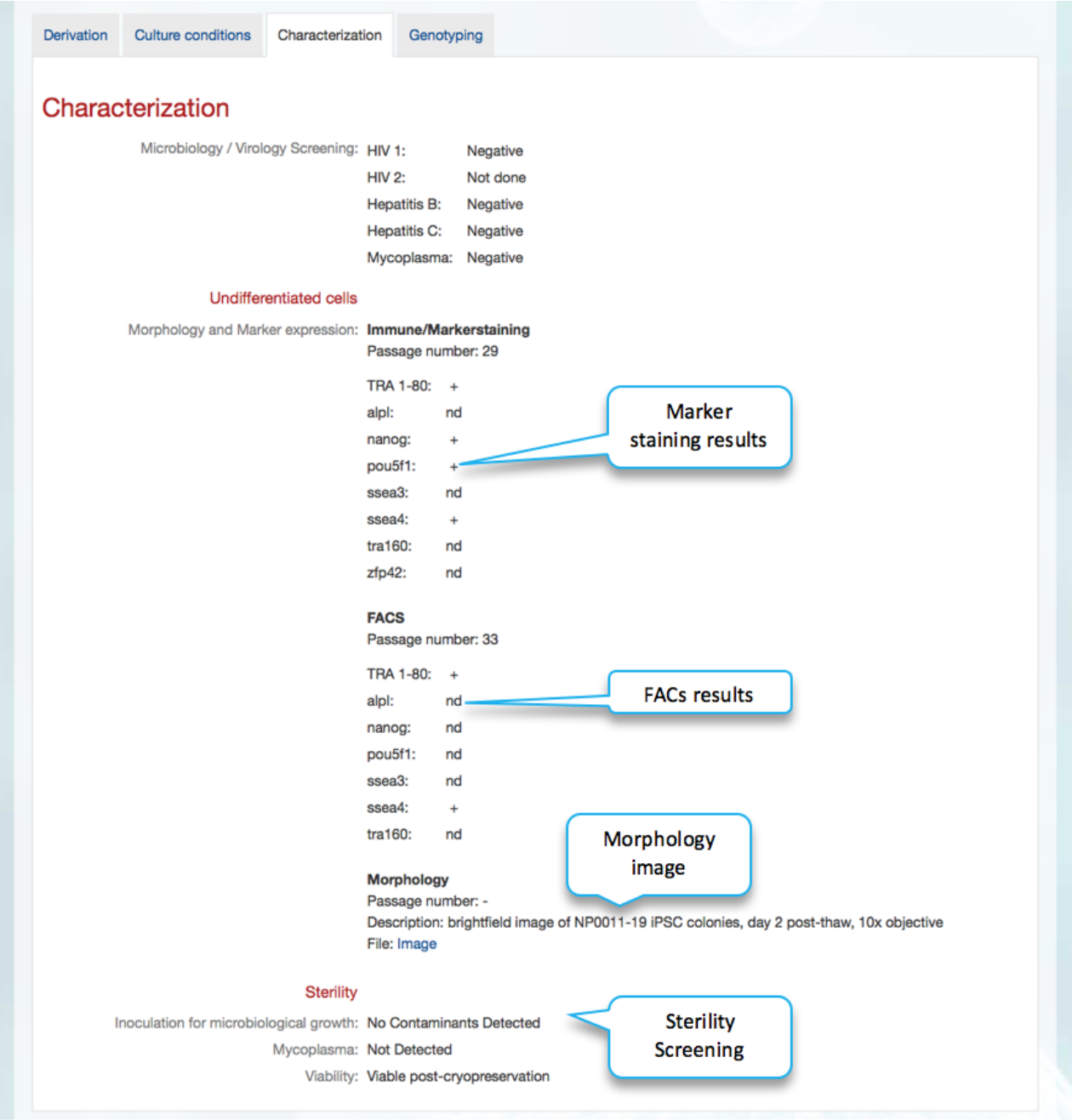
The derivation tab displays details of how the line was reprogrammed and when the source tissue was collected.



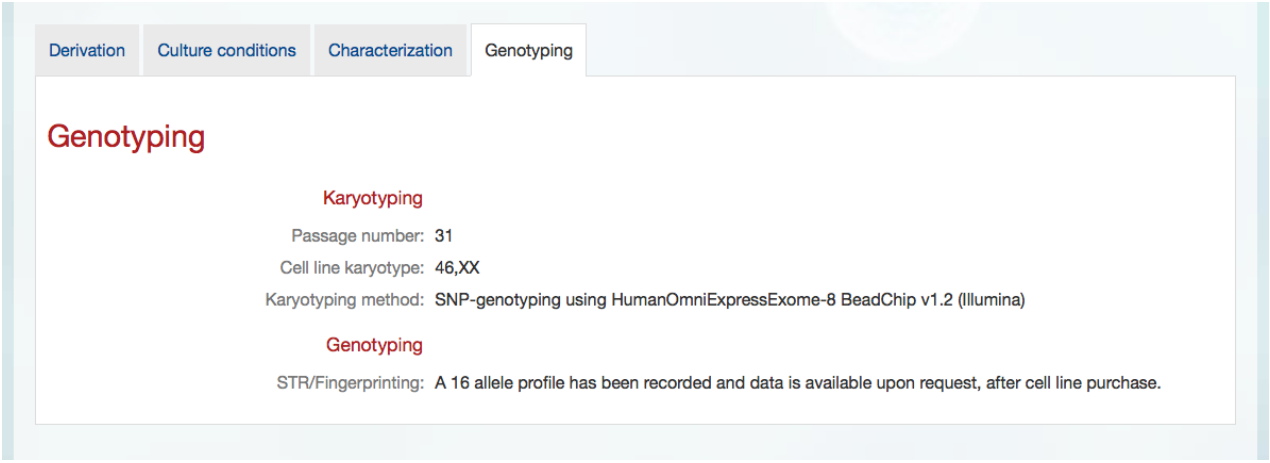
The culture conditions tab gives information about how the cell line has been cultured.



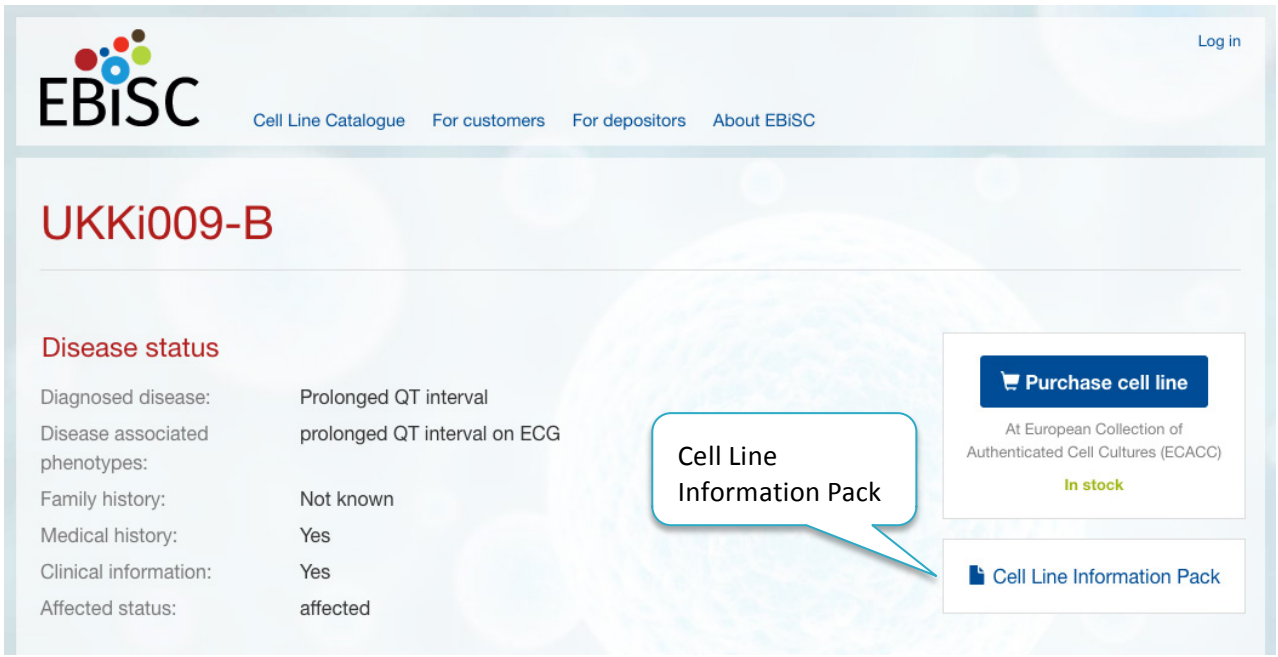
The characterization tab gives details of what sterility, morphology and marker screening has been carried out on a particular cell line.



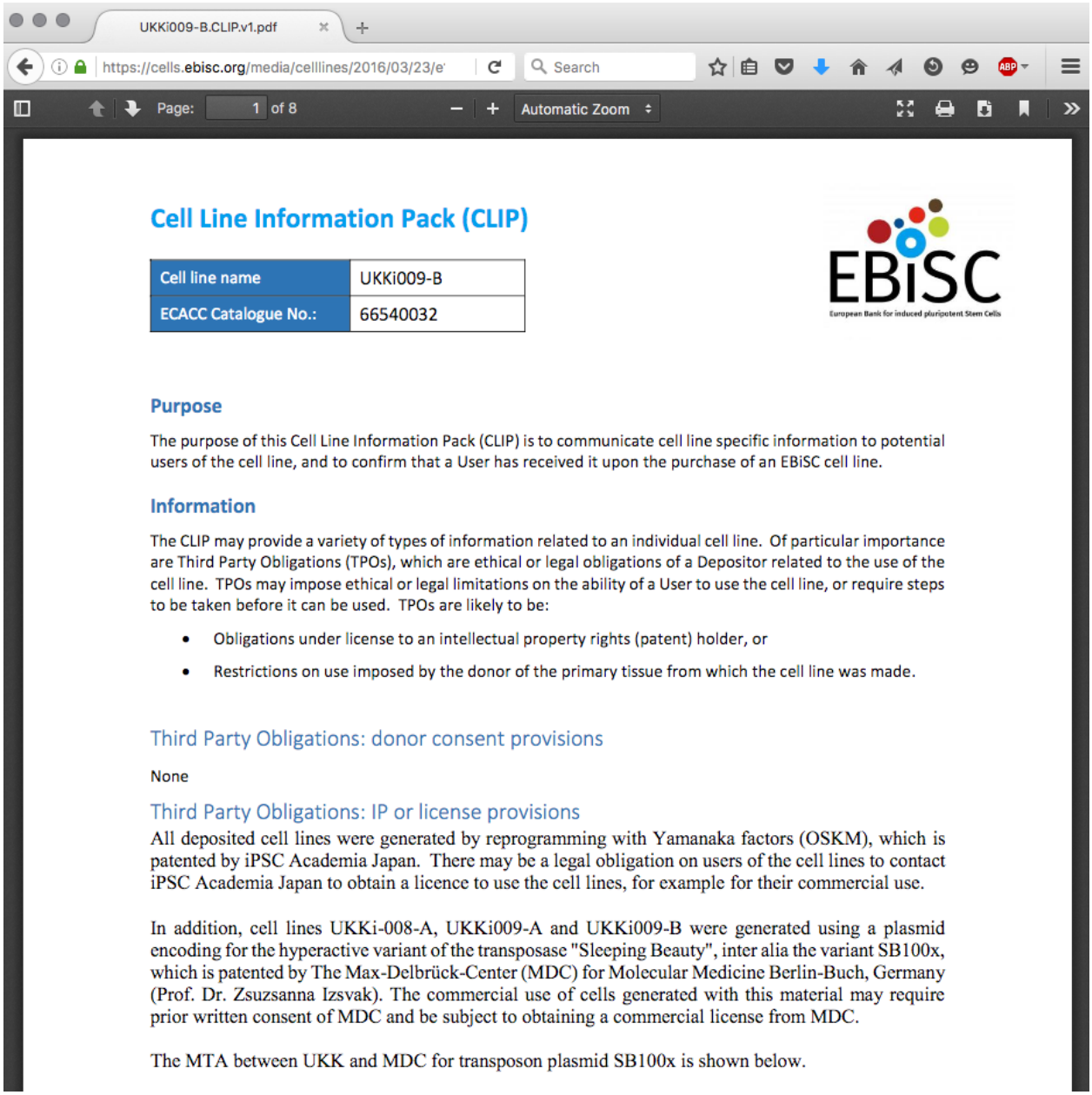
The genotyping tab contains information about any karyotyping and genotyping that has been conducted on the line.



CLIP – Cell line Information Pack



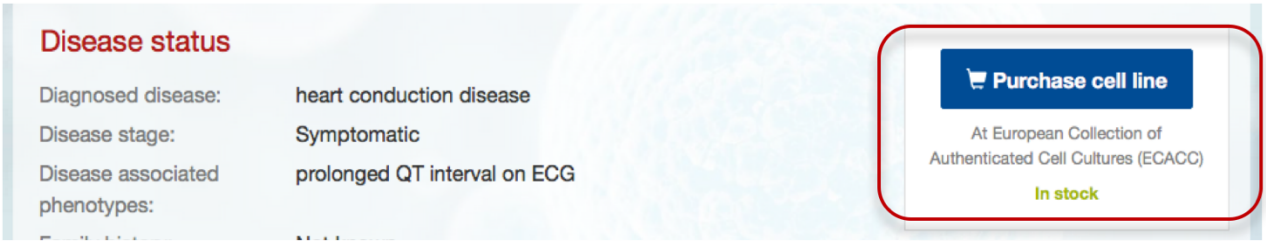
The Cell Line Information Pack contains additional information about each cell line, including any associated third party obligations or license provisions. You can find the link to the Cell Line Information Pack at the top right side of the page.



Cell Line Information Pack PDF

Cell line purchase

If you decide to purchase any of the lines in the EBiSC catalogue, you can do so by clicking on the “Purchase cell line” button on the right side of the page. This will lead you to the European Collection of Authenticated Cell Cultures (ECACC) website where you can buy the chosen line.



For details on how to complete your purchase please visit the comprehensive ECACC guide on how to order cell lines (http://www.phe-culturecollections.org.uk/orderinginfo/index.aspx).