

# Package ‘humanStemCell’

December 4, 2025

**Title** Human Stem Cells time course experiment  
**Version** 0.50.0  
**Author** R. Gentleman, N. Le Meur, M. Tewari  
**Description** Affymetrix time course experiment on human stem cells (two time points: undifferentiated and differentiated).  
**biocViews** ExperimentData, Homo\_sapiens\_Data  
**Maintainer** R. Gentleman <rgentlem@fhcrc.org>  
**License** Artistic-2.0  
**Depends** Biobase (>= 2.5.5), hgu133plus2.db  
**git\_url** <https://git.bioconductor.org/packages/humanStemCell>  
**git\_branch** RELEASE\_3\_22  
**git\_last\_commit** 7fc3573  
**git\_last\_commit\_date** 2025-10-29  
**Repository** Bioconductor 3.22  
**Date/Publication** 2025-12-04

## Contents

|                 |          |
|-----------------|----------|
| fhesc . . . . . | 1        |
| <b>Index</b>    | <b>3</b> |

---

|       |   |
|-------|---|
| fhesc | <i>Data from a simple experiment on Human stem cells.</i> |
|-------|---|

---

## Description

Human stem cells were assayed using Affymetrix 133plus 2 arrays. There were six arrays, three were biological replicates for undifferentiated cells, the other three were biological replicates for differentiated cells.

## Usage

```
data(fhesc)
```

**Format**

The data are in the form of an ExpressionSet instance.

**Details**

Human Embryonic Stem Cells, H1 Line were cultured under feeder-free conditions. Undifferentiated samples were taken from this pool. The differentiated samples were obtained by maintaining the cells in culture for 10 - 14 days in the absence of basic fibroblast growth factor and conditioned medium.

**Source**

The data were obtained from Dr. M. Tewari.

**References**

These data were used to prepare the book chapter, R and Bioconductor packages in bioinformatics: towards systems biology, by Nolwenn LeMeur, Michael Lawrence, Merav Bar, Muneesh Tewari and Robert Gentleman

**Examples**

```
data(fhesc)
```

# Index

\* **datasets**  
fhesc, [1](#)

fhesc, [1](#)