

# Package ‘humanStemCell’

July 18, 2024

**Title** Human Stem Cells time course experiment  
**Version** 0.45.0  
**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  
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**License** Artistic-2.0  
**Depends** Biobase (>= 2.5.5), hgu133plus2.db  
**git\_url** <https://git.bioconductor.org/packages/humanStemCell>  
**git\_branch** devel  
**git\_last\_commit** b4ba76a  
**git\_last\_commit\_date** 2024-04-30  
**Repository** Bioconductor 3.20  
**Date/Publication** 2024-07-18

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fhesc	<i>Data from a simple experiment on Human stem cells.</i>
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## 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)
```

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\* **datasets**  
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