

Package: CCl4 (via r-universe)

October 10, 2026

Title Carbon Tetrachloride (CCl4) treated hepatocytes

Version 1.50.0

Author Audrey Kauffmann, Wolfgang Huber

Description NChannelSet for rat hepatocytes treated with Carbon Tetrachloride (CCl4) data from LGC company.

Maintainer Audrey Kauffmann <audrey@ebi.ac.uk>

License Artistic-2.0

Depends R (>= 2.6.0), Biobase (>= 2.5.5), limma

biocViews ExperimentData, Genome, Rattus_norvegicus_Data, MicroarrayData

Repository Bioconductor 3.23

Date/Publication 2026-04-28 12:22:32 UTC

RemoteUrl <https://github.com/bioc/CCl4>

RemoteRef RELEASE_3_23

RemoteSha f562d8e5c603cc8a6a232e44c77f8b2299de5090

Contents

CCl4	1
Index	3

CCl4	<i>Carbon Tetrachloride (CCl4) treated hepatocytes</i>
------	--

Description

These datasets contain raw intensities from Agilent *Rat Whole Genome* microarrays. Total RNA from rat hepatocytes treated by Carbon Tetrachloride or DMSO was extracted. Purified RNA from Carbon Tetrachloride treated cells was degraded by ribonuclease A in order to study the effect of RNA quality on the expression data. From an initial Agilent RIN (RNA Integrity Number) value of 9.7, degraded RNA RIN values of 5.0 and 2.5 were achieved.

Usage

```
data("CCl4")  
data("CCl4_RGList")
```

Format

CCl4 is a [NChannelSet](#) with 44290 probes and 18 arrays. CCl4_RGList is an [RGList](#) with the same data.

Source

Carole Foy, Holger Laux, Timothy Wilkes from LGC company in London, UK.

Examples

```
data("CCl4")  
show(CCl4)  
  
data("CCl4_RGList")  
show(CCl4_RGList)
```

Index

* **datasets**

CCl4, [1](#)

CCl4, [1](#)

CCl4_RGList (CCl4), [1](#)

NChannelSet, [2](#)

RGList, [2](#)