

## Product datasheet

# C2C12 nuclear extract lysate ab14640

### Overview

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<b>Product name</b>	C2C12 nuclear extract lysate
<b>General notes</b>	Cell line: C2C12 (Mouse myoblast). We recommend aliquoting the extracts into single use fractions and then storing.

### Properties

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<b>Mycoplasma free</b>	Yes
<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.90 Constituents: 0.75% Potassium chloride, 0.0087% PMSF, 0.0095% Magnesium chloride, 0.0077% DTT, 0.476% HEPES, 20% Glycerol
<b>Background</b>	C2C12 cells were originally obtained by Yaffe and Saxel (1977) through selective serial passage of myoblasts cultured from the thigh muscle of C3H mice 70 h after a crush injury. These cells were shown to be capable of differentiation. C2C12 cells are a useful model to study the differentiation of non-muscle cells to skeletal muscle cells (e.g myosin phosphorylation mechanisms) and express muscle proteins and the androgen receptor (AR).

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