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## LMBP CELL LINE

## G4 ROSALUC B12

These data are a snapshot at a given moment; further updates are always possible.

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<u>Source:</u>	Mouse
<u>Type:</u>	Embryonic stem (ES) cells
<u>Accession number:</u>	<b>LMBP 10507CB</b>
<u>Deposit date:</u>	07/02/2014
<u>Depositor:</u>	Dr T. Hochepped, Dr L. Haenebalcke and Prof. Dr J. Haigh <sup>1,2</sup> <sup>1</sup> Inflammation Research Center, VIB, Ghent, Belgium <sup>2</sup> Department of Biomedical Molecular Biology, Ghent University, Ghent, Belgium
<u>Other culture collection numbers:</u>	/
<u>Other name:</u>	G4 ROSALUC ES
<u>Containment level:</u>	This cell line has been assigned the containment level 'Class 1' following the European Directive 2009/41/EC on the contained use of genetically modified organisms, and its updates (see also the <a href="#">Belgian risk group classification</a> ).
<u>Medium:</u>	<ul style="list-style-type: none"><li>• 500 ml bottle Knockout DMEM (Invitrogen, cat. no. 10829-018)</li><li>• 90 ml serum</li><li>• 6 ml penicillin/streptomycin 100X</li><li>• 6 ml beta-mercaptoethanol 100X</li><li>• 6 ml non-essential amino acids 100X</li><li>• 6 ml glutamine 100X</li><li>• recombinant mouse LIF 2000 units/ml</li></ul> <p>For selective medium, use puromycin at 1 µg/ml</p>
<u>Selection marker:</u>	Puromycin
<u>Cultivation temperature:</u>	37°C
<u>Original reference:</u>	Haenebalcke et al., Stem Cell Rev. 6 (2013), 774-785 [PMID: <a href="#">23877658</a> ]
<u>Related reference:</u>	/
<u>Genotype:</u>	Heterozygous
<u>Phenotype:</u>	/
<u>Quality controls:</u>	<ul style="list-style-type: none"><li>• Mycoplasma and other contaminations: negative</li><li>• Karyotyping by chromosome counting: 78% euploid</li><li>• (C57Bl6/Nx129S6/SvEvTac)F1 confirmation by PCR with microsatellite D1 mit 303 (B6 = 142 bp; 129S6 = 118 bp)</li><li>• PCR confirmation of presence of RMCE cassette: ES-cells heterozygous for RMCE cassette</li></ul>

Restricted use:

- VIB/MSH/BCCM MTA
- Commercial, for-profit entities require a use license from VIB / MT SINAI prior to the release of the material.

Further info:

'B12' in the name refers to the clone number.

**Culture recovery and preservation instructions**

Recovery: startup in a 6-well with inactivated feeders after washing.

Long-term preservation: cryopreservation (at -120 °C at the least)