

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

<u>Source:</u>	Mouse
<u>Type:</u>	Embryonic stem (ES) cells
<u>Cell line designation:</u>	G4 ROSALUC B12
<u>Other designation:</u>	G4 ROSALUC ES
<u>Accession number:</u>	LMBP 10507CB
<u>Deposit date:</u>	07/02/2014
<u>Depositor:</u>	Dr T. Hochepped, Dr L. Haenebalcke and Prof. Dr J. Haigh ^{1 2} ¹ Inflammation Research Center, VIB, Ghent, Belgium ² Department of Biomedical Molecular Biology, Ghent University, Ghent, Belgium
<u>Other culture collection numbers:</u>	/
<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 Belgian risk group classification).
<u>Medium:</u>	<ul style="list-style-type: none">• 500 ml bottle Knockout DMEM (Invitrogen, cat. no. 10829-018)• 90 ml serum• 6 ml penicillin/streptomycin 100X• 6 ml beta-mercaptoethanol 100X• 6 ml non-essential amino acids 100X• 6 ml glutamine 100X• recombinant mouse LIF 2000 units/ml <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: 23877658]
<u>Related reference:</u>	/
<u>Genotype:</u>	Heterozygous
<u>Phenotype:</u>	/
<u>Quality controls:</u>	<ul style="list-style-type: none">• Mycoplasma and other contaminations: negative• Karyotyping by chromosome counting: 78% euploid• (C57Bl6/Nx129S6/SvEvTac)F1 confirmation by PCR with microsatellite D1 mit 303 (B6 = 142 bp; 129S6 = 118 bp)• PCR confirmation of presence of RMCE cassette: ES-cells heterozygous for RMCE cassette

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 least at -120°C)