Designation: **L428**

CLS order number: Cryovial: 300200
Vital: 330200
DNA: 300200GD05
Snap Frozen cell pellet: 300200CP
Lysate: 300200CL

Origin and General Characteristics	
Organism:	*Homo sapiens* (human)
Ethnicity:	Caucasian
Age:	37 years old
Gender:	Female
Tissue:	Pleural effusion
Disease:	Hodgkin's lymphoma of the nodular sclerosing type; clinical stage IV B
Cell type:	H and SR cells
Morphology:	Lymphoblast
Growth Properties:	Suspension
Description:	The culture was established from a prefinally taken pleural effusion of a female patient suffering from Hodgkin's disease. For further information see Cellosaurus, accession no. CVCL_1361
References:	Schaadt M, Diehl V, Stein H, Fonatsch C, Kirchner HH. Two neoplastic cell lines with unique features derived from Hodgkin's disease. Int J Cancer 26: 723-731 (1980). Diehl V, Kirchner HH, Schaadt M, Fonatsch C, Stein H, Gerdes J and Boie Chr. Hodgkin's disease: Establishment and Characterization of Four in vitro Cell Lines. J Cancer Res Clin Oncol 101: 111-124 (1981). A list of further relevant literature can be requested at CLS.
Culture Conditions and Handling	
Culture Medium:	RPMI 1640 supplemented with 10% FBS (MG-70, CLS order number 820700).
Subculturing:	A maximum density of 1.5 x10^6 cells/ml is possible. Incubate at 5% CO_2, 37°C.
Seeding density:	2x10^5/ml
Fluid Renewal:	--
Freeze Medium:	CM-1 (CLS order number: 800125, 25ml, 800150, 50ml)
Sterility:	Mycoplasma specific PCR: negative Cell-based Plasmotest: negative
Biosafety Level:	1 (according to TRBA 468)
Safety precautions:	Protective gloves and clothing should be used and a facemask or safety goggles must be worn when transferring frozen samples into or removing from the liquid nitrogen tank. The removal of a cryovial from liquid nitrogen may result in the explosion of the frozen vial creating flying fragments. Caputo, J.L. Biosafety procedures in cell culture. J. Tissue Cult. Methods 11:223-227, 1988. ATCC Quality Control Methods for Cell Lines, 2nd edition, 1992.
Special Features of the Cell Line	
Tumorigenic:	Yes, in nude mice, intracranial inoculation.
Surface antigens:	Ia-like antigen

Karyotype:	Marker chromosomes 1p+, 2p+, 6q+, 7q+, 9p+, 11q-, 13p+, 21q-. One extra chromosome no. 12 and lacking chromosome no. 13. Some cells exhibit 14q+ marker, while others showed three chromosomes no. 14.	
HLA-typed (NGS-sequencing):	n.d.	
DNA Profile (STR):	Amelogenin: X,X CSF1PO: 10,13 D13S317: 14 D16S539: 11,12 D5S818: 11,12,13 D7S820: 11 THO1: 7,9.3 TPOX: 8,9	vWA: 15 D3S1358: 14,18 D21S11: 31.2 D18S51: 14 Penta E: 10,17 Penta D: 8,9 D8S1179: 14 FGA: 19,25
Possible applications:	---	

Certificate of Analysis:	The Certificate of Analysis for each batch can be requested by e-mail at service@clsgmbh.de.

Recommendations for handling of cells growing in suspension following delivery	
Cryopreserved cells	The cells come deep-frozen shipped on dry ice. Please make sure that the vial is still frozen. If immediate culturing is not intended, the cryovial(s) must be stored below -150°C after arrival. If immediate culturing is intended, please follow these instructions: Quickly thaw by rapid agitation in a 37°C water bath within 40-60 seconds. The water bath should have clean water containing an antimicrobial agent. As soon as the sample has thawed, remove the cryovial from the water bath. Note: A small ice clump should still remain and the vial should still be cold. From now on, all operations should be carried out under aseptic conditions. Transfer the cryovial to a sterile flow cabinet and wipe with 70% alcohol. Carefully open the vial and transfer the cell suspension into a 15 ml centrifuge tube containing 8 ml of culture medium (room temperature). Resuspend the cells carefully. Centrifuge at 300xg for 3 min and discard the supernatant. The centrifugation step may be omitted, but in this case the remains of the freeze medium have to be removed 24 hours later. Resuspend the cells carefully in 10ml fresh cell culture medium and transfer them into one T25 cell culture flask. All further steps are described in the Subculture section.

Warranty:	CLS warrants for a high cell viability and culture performance only if the product(s) is (are) stored and cultured according to the information described above. Using cell culture media and supplements other than the ones recommended in this product information may result in satisfactory proliferation and viabilities. CLS, however, does not warrant for cell recovery, proliferation and function if differing formulations are employed.
Disclaimer:	The customer shall not be entitled to employ this product for purposes other than research. Commercial utilization shall not be permitted; in particular, the cell line, its components or materials made therefrom shall not be sold or transferred to any third party. In addition, the term ‘Commercial use’ shall mean any activity by a party for consideration and may include, but is not limited to, use of the product or its components in manufacturing, for providing services, e.g. fee for service testing, in quality control or assurance processes within the manufacturing of products for sale, for therapeutic, diagnostic or prophylactic purposes, or for resale.