

LMS MEDICAL SYSTEMS AWARDED AITS 2004 GENESIS AWARD

For Immediate Release

MONTREAL, Quebec, May 4 – LMS Medical Systems Inc. (TSX: LMZ), a healthcare technology company, is pleased to announce that it has received the Genesis 2004 Award from the Association of Health Technologies Industry (AITS). The award, granted in partnership with BIOQuebec, recognizes innovators in biotechnology, life sciences and health technology industries.

LMS' award in the area of transfer-emergence is given to a company characterized by the innovative nature of its technology experiencing commercial success as well as extensive managerial, financial and scientific expertise.

"We are honored to have been chosen for this award," commented Dr. Emily Hamilton, LMS Founder and VP Medical Research at the award ceremony, which took place during the BIOMEDEX Conference-exhibition, Canada's life sciences industry convention, held in Montreal.

About LMS:

LMS Medical Systems is a leader in the medical use of advanced mathematical modeling and neural networks. The LMS product suite provides physicians, nursing staff, risk managers and hospital administrators with clinical information systems and decision support tools designed to improve outcomes and patient care for mothers and their infants during labor and delivery.

For further information please contact:

Andrea Miller, Communications
investor@lmsmedical.com
Tel: (514) 488-3461 Ext. 222
Fax: (514) 488-1880
www.lmsmedical.com

Statements in this press release and any other statements, managements' future expectations, beliefs, goals, plans or prospects constitute forward-looking statements that involve risks and uncertainties, which may cause actual results to differ materially from the statements made. For this purpose, any statements that are contained herein that are not statements of historical fact may be deemed to be forward-looking statements made pursuant to the safe harbor provisions of the United States Private Securities Litigation Reform Act of 1995. Without limiting the foregoing, the words "believes", "anticipates", "plans", "intends", "will", "should", "expects", "projects", and similar expressions are intended to identify forward-looking statements. You are cautioned that such statements are subject to a multitude of risks and uncertainties that could cause actual results, future circumstances, or events to differ materially from those projected in the forward-looking statements. These risks include, but are not limited to, those associated with the success of research and development programs, the regulatory approval process, competition, securing and maintaining corporate alliances, market acceptance of the Company's products, the availability of government and insurance reimbursements for the Company's products, the strength of intellectual property, financing capability, the potential dilutive effects of and financing, reliance on subcontractors and key personnel and other risks detailed from time-to-time in the Company's public disclosure documents or other filings with the Canadian and U.S. securities commissions or other securities regulatory bodies. The forward-looking statements are made as of the date hereof, and the Company disclaims any intention and has no obligation or responsibility, except as required by law, to update or revise any forward-looking statements, whether as a result of new information, future events, or otherwise.