

Animal Models (commercially available) in Japan

Model Disease	Species	Commercial name	Breeder Reference	Characteristics	
Diabetes	Type 1 diabetes	AKITA/Slc	Japan SLC, Inc Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 slc03@islc.co.jp	abnormal pancreatic B cells, mutation of the insulin 2 gene, ER stress http://www.islc.co.jp/disease/c03_f.htm	
		NOD/ShiJcl	CLEA Japan, Inc. Tokyo Animal & Diet Dept. 1-2-7 Higashiyama Meguro-ku Tokyo TEL:+81-3-5704-7050 FAX:+81-3-3792-2032	autoimmune disease, insulinitis, cytokine, major histocompatibility complex http://www.clea-japan.com/animalpege/a_1/b_05.html	
		KK/TaJcl	CLEA Japan, Inc. Tokyo Animal & Diet Dept. 1-2-7 Higashiyama Meguro-ku Tokyo TEL:+81-3-5704-7050 FAX:+81-3-3792-2032	polygenic model, obese, insulin resistance, hyperinsulinemia http://www.clea-japan.com/animalpege/a_1/b_01.html	
		KK-A ^y /TaJcl	CLEA Japan, Inc. Tokyo Animal & Diet Dept. 1-2-7 Higashiyama Meguro-ku Tokyo TEL:+81-3-5704-7050 FAX:+81-3-3792-2032	insulin resistance, hyperinsulinemia, obese, A ^y gene http://www.clea-japan.com/animalpege/a_1/b_02.html	
		BKS.Cg-m ⁺ /+Lepr ^{db} /Jcl	CLEA Japan, Inc. Tokyo Animal & Diet Dept. 1-2-7 Higashiyama Meguro-ku Tokyo TEL:+81-3-5704-7050 FAX:+81-3-3792-2032	insulin resistance, hyperinsulinemia, obese, abnormality of leptin receptor http://www.clea-japan.com/animalpege/a_1/b_03.html	
		B6.Cg-Lep ^{ob} /J JAX® Mice Domestic production JAX® Mice	CHARLES RIVER LABORATORIES JAPAN, INC. Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 web_order@crl.com	ob/ob mouse abnormality of leptin http://202.32.114.138/product/domestic/detail/43	
		C57BL/6J Ham Slc-Lep ^{ob}	Japan SLC, Inc Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 slc03@islc.co.jp	obese, abnormality of leptin http://www.islc.co.jp/disease/c03_f.htm	
		BKS.Cg-Dock7 ^m /+Lepr ^{db} /J JAX® Mice Domestic production	CHARLES RIVER LABORATORIES JAPAN, INC. Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 web_order@crl.com	db/db mouse obese, diabetic, abnormality of leptin receptor http://www.cri.co.jp/product/domestic/detail/34	
		BTBR.Cg-Lepob/WiscJ #004824 Import from The Jackson Laboratory U.S.A JAX® Mice	CHARLES RIVER LABORATORIES JAPAN, INC. Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 web_order@crl.com	obese, diabetic, dyslipidemia, insulin resistance, abnormality of leptin receptor receptor, diabetic complication https://www.jax.org/strain/004824	
	NONcNZO10/LtJ #004456 Import from The Jackson Laboratory U.S.A JAX® Mice	CHARLES RIVER LABORATORIES JAPAN, INC. Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 web_order@crl.com	human obesity-induced Type 2 diabetes and metabolic Syndrome. https://www.jax.org/strain/004456		
	TALLYHO/JngJ #005314 Import from The Jackson Laboratory U.S.A JAX® Mice	CHARLES RIVER LABORATORIES JAPAN, INC. Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 web_order@crl.com	human non-insulin-dependent type 2 diabetes mellitus (NIDDM). Male TALLYHO mice can develop hyperglycemia, hyperinsulinemia, hyperlipidemia, moderate obesity phenotype is less than 100% penetrant and enlargement of the islets of Langerhans, however, the phenotype is less than 100% penetrant. https://www.jax.org/strain/005314		
	C57BLKs/J Iar- +Lepr ^{db} /+Lepr ^{db}	Institute for Animal Reproduction ●Reference Japan SLC, Inc Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 slc03@islc.co.jp	obese, abnormality of leptin receptor http://www.islc.co.jp/disease/c03_f.htm		
	NSY	Hoshino Laboratory Animals ●Reference Japan SLC, Inc Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 slc03@islc.co.jp	impaired glucose tolerance diabetic nephropathy http://www.islc.co.jp/disease/c03_f.htm		
	TSOD	Institute for Animal Reproduction ●Reference Japan SLC, Inc Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 slc03@islc.co.jp	obese, diabetic, diabetic complication http://www.islc.co.jp/disease/c03_f.htm		
	Type 1 diabetes	Rat	KDP	Japan SLC, Inc Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 slc03@islc.co.jp	insulinitis http://www.islc.co.jp/disease/c03_f.htm
			GK/Slc	Japan SLC, Inc Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 slc03@islc.co.jp	Impaired Glucose Tolerance, polygenic model, non obese http://www.islc.co.jp/disease/c03_f.htm
			SDT/Jcl	CLEA Japan, Inc. Tokyo Animal & Diet Dept. 1-2-7 Higashiyama Meguro-ku Tokyo TEL:+81-3-5704-7050 FAX:+81-3-3792-2032	nonobese, impaired insulin secretion, glucose intolerance, diabetic complication http://www.clea-japan.com/animalpege/a_1/b_09.html
			SDT.Cg-Lep ^{fa} /JttJcl (SDT fatty)	CLEA Japan, Inc. Tokyo Animal & Diet Dept. 1-2-7 Higashiyama Meguro-ku Tokyo TEL:+81-3-5704-7050 FAX:+81-3-3792-2032	obesity, insulin resistance, diabetic complication, osteopenia, hypertension http://www.clea-japan.com/animalpege/a_1/b_10.html
ZDF-Lep ^{fa} /CrlCrlj Domestic production			CHARLES RIVER LABORATORIES JAPAN, INC. Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 web_order@crl.com	obese, diabetic, dyslipidemia, insulin resistance, abnormality of leptin receptor http://www.cri.co.jp/product/domestic05.html	
WBN/Kob Slc			Japan SLC, Inc Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156	pancreatitis, diabetic complication http://www.islc.co.jp/disease/c03_f.htm	

			slc03@jslc.co.jp		
Obesity		C57BL/6J Ham Slc-A ^y	Japan SLC, Inc Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 slc03@jslc.co.jp	obese http://www.jslc.co.jp/disease/c03.f.htm	
	Mouse	C57BL/6J DIO (Diet Induced Obesity) Domestic production JAX® Mice	CHARLES RIVER LABORATORIES JAPAN, INC. Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 web_order@crl.com	Diet-Induced Obesity,hyperglycemia, insulin resistance http://202.32.114.138/product/domestic/detail/26	
	Rat		Crj:ZUC- <i>Lepr</i> ^{fa} Domestic production		obese, dyslipidemia,insulin resistance,abnormality of leptin receptor http://202.32.114.138/product/domestic/detail/12
			Slc:Zucker <i>fa/fa</i>	Japan SLC, Inc Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 slc03@jslc.co.jp	obese, dyslipidemia,insulin resistance,abnormality of leptin receptor http://www.jslc.co.jp/disease/c03.f.htm
			Hos:Zucker- <i>fa/fa</i>	Hoshino Laboratory Animals ● Reference Japan SLC, Inc Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 slc03@jslc.co.jp	obese, dyslipidemia,insulin resistance, abnormality of leptin receptor http://www.jslc.co.jp/disease/c03.f.htm
			DahlS.Z- <i>Lepr</i> ^{fa} /Slc	Japan SLC, Inc Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 slc03@jslc.co.jp	obese, hypertensive, heart failure, metabolic syndrome, abnormality of leptin receptor http://www.jslc.co.jp/disease/c03.f.htm
			SHRSP/IzmDmcr- <i>fa</i>	Japan SLC, Inc Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 slc03@jslc.co.jp	stroke, hypertensive, obese, metabolic syndrome, abnormality of leptin receptor http://www.jslc.co.jp/disease/c03.f.htm
			WBN/KobSlc- <i>Lepr</i> ^{fa}	Japan SLC, Inc Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 slc03@jslc.co.jp	obese, diabetic,pancreatitis,abnormality of leptin receptor http://www.jslc.co.jp/disease/c03.f.htm
			SHR/NDmcr- <i>cp</i>	Japan SLC, Inc Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 slc03@jslc.co.jp	obese, hypertensive, diabetic,abnormality of leptin receptor http://www.jslc.co.jp/disease/c03.f.htm
Dyslipidemia	Mouse	C57BL/6.KOR/Stm Slc- <i>ApoE</i> ^{shl}	Japan SLC, Inc Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 slc03@jslc.co.jp	spontaneously hyperlipidemic (SHL) mice, Hyperlipidemia, arteriosclerosis, congenic strain http://www.informatics.jax.org/javawi2/servlet/WIFetch?page=alleleDetail&key=37334 http://www.jslc.co.jp/inform/shl_basic_data.pdf	
		BALB/c.KOR/Stm Slc- <i>ApoE</i> ^{shl}			
		C3H/He.KOR/Stm Slc- <i>ApoE</i> ^{shl}			
		DBA/2.KOR/Stm Slc- <i>ApoE</i> ^{shl}			
Non-alcoholic steatohepatitis	Mouse	C57BL/6J-NASH Domestic production JAX® Mice	CHARLES RIVER LABORATORIES JAPAN, INC. Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 web_order@crl.com	Feeding A06071302 (60Kcal% fat) more than six months, will develop NASH-like disease (SPF) A06071309 fed models also available (45Kcal% fat diet) http://www.crl.co.jp/product/domestic/detail/40	
Note: Japan SLC, Inc. (Tel +81-53-486-3178) accepts animals of Institute for Animal Reproduction and Hoshino Laboratory Animals.					

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