

## Animal Models (commercially available) in Japan

Model Disease	Species	Commercial name	Breeder Reference	Characteristics	
Diabetes	Type 1 diabetes	AKITA/Slc	<b>Japan SLC, Inc</b> Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 <a href="mailto:slc03@islc.co.jp">slc03@islc.co.jp</a>	abnormal pancreatic B cells, mutation of the insulin 2 gene, ER stress <a href="http://www.islc.co.jp/disease/c03.f.htm">http://www.islc.co.jp/disease/c03.f.htm</a>	
		NOD/ShiJcl	<b>CLEA Japan, Inc.</b> 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 <a href="http://www.clea-japan.com/animalpege/a_1/b_05.html">http://www.clea-japan.com/animalpege/a_1/b_05.html</a>	
		KK/TaJcl	<b>CLEA Japan, Inc.</b> 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 <a href="http://www.clea-japan.com/animalpege/a_1/b_01.html">http://www.clea-japan.com/animalpege/a_1/b_01.html</a>	
		KK-A <sup>y</sup> /TaJcl	<b>CLEA Japan, Inc.</b> 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 <sup>y</sup> gene <a href="http://www.clea-japan.com/animalpege/a_1/b_02.html">http://www.clea-japan.com/animalpege/a_1/b_02.html</a>	
		BKS.Cg-m <sup>+</sup> /+Lepr <sup>db</sup> /Jcl	<b>CHARLES RIVER LABORATORIES JAPAN, INC.</b> Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 <a href="mailto:web_order@crl.com">web_order@crl.com</a>	insulin resistance, hyperinsulinemia, obese, abnormality of leptin receptor <a href="http://www.clea-japan.com/animalpege/a_1/b_03.html">http://www.clea-japan.com/animalpege/a_1/b_03.html</a>	
		B6.Cg-Lep <sup>ob</sup> /J JAX® Mice Domestic production JAX® Mice	<b>CHARLES RIVER LABORATORIES JAPAN, INC.</b> Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 <a href="mailto:web_order@crl.com">web_order@crl.com</a>	ob/ob mouse abnormality of leptin <a href="http://202.32.114.138/product/domestic/detail/43">http://202.32.114.138/product/domestic/detail/43</a>	
		C57BL/6J Ham Slc-Lep <sup>ob</sup>	<b>Japan SLC, Inc</b> Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 <a href="mailto:slc03@islc.co.jp">slc03@islc.co.jp</a>	obese, abnormality of leptin <a href="http://www.islc.co.jp/disease/c03.f.htm">http://www.islc.co.jp/disease/c03.f.htm</a>	
		BKS.Cg-Dock7 <sup>m</sup> /+Lepr <sup>db</sup> /J JAX® Mice Domestic production	<b>CHARLES RIVER LABORATORIES JAPAN, INC.</b> Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 <a href="mailto:web_order@crl.com">web_order@crl.com</a>	db/db mouse obese, diabetic, abnormality of leptin receptor <a href="http://www.cri.co.jp/product/domestic/detail/34">http://www.cri.co.jp/product/domestic/detail/34</a>	
		BTBR.Cg-Lepob/WiscJ #004824 Import from The Jackson Laboratory U.S.A JAX® Mice	<b>CHARLES RIVER LABORATORIES JAPAN, INC.</b> Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 <a href="mailto:web_order@crl.com">web_order@crl.com</a>	obese, diabetic, dyslipidemia, insulin resistance, abnormality of leptin receptor receptor, diabetic complication <a href="https://www.jax.org/strain/004824">https://www.jax.org/strain/004824</a>	
	NONcNZO10/LtJ #004456 Import from The Jackson Laboratory U.S.A JAX® Mice	<b>CHARLES RIVER LABORATORIES JAPAN, INC.</b> Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 <a href="mailto:web_order@crl.com">web_order@crl.com</a>	human obesity-induced Type 2 diabetes and metabolic Syndrome. <a href="https://www.jax.org/strain/004456">https://www.jax.org/strain/004456</a>		
	TALLYHO/JngJ #005314 Import from The Jackson Laboratory U.S.A JAX® Mice	<b>CHARLES RIVER LABORATORIES JAPAN, INC.</b> Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 <a href="mailto:web_order@crl.com">web_order@crl.com</a>	human non-insulin-dependent type 2 diabetes mellitus (NIDDM). Male TALLYHO mice can develop hyperglycemia, hyperinsulinemia, hyperlipidemia, moderate and enlargement of the islets of Langerhans; however, the phenotype is less than 100% penetrant. <a href="https://www.jax.org/strain/005314">https://www.jax.org/strain/005314</a>		
	Type 2 diabetes	C57BLKs/J Iar- +Lepr <sup>db</sup> /+Lepr <sup>db</sup>	<b>Institute for Animal Reproduction</b> ●Reference <b>Japan SLC, Inc</b> Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 <a href="mailto:slc03@islc.co.jp">slc03@islc.co.jp</a>	obese, abnormality of leptin receptor <a href="http://www.islc.co.jp/disease/c03.f.htm">http://www.islc.co.jp/disease/c03.f.htm</a>	
		NSY	<b>Hoshino Laboratory Animals</b> ●Reference <b>Japan SLC, Inc</b> Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 <a href="mailto:slc03@islc.co.jp">slc03@islc.co.jp</a>	impaired glucose tolerance diabetic nephropathy <a href="http://www.islc.co.jp/disease/c03.f.htm">http://www.islc.co.jp/disease/c03.f.htm</a>	
		TSOD	<b>Institute for Animal Reproduction</b> ●Reference <b>Japan SLC, Inc</b> Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 <a href="mailto:slc03@islc.co.jp">slc03@islc.co.jp</a>	obese, diabetic, diabetic complication <a href="http://www.islc.co.jp/disease/c03.f.htm">http://www.islc.co.jp/disease/c03.f.htm</a>	
		Type 1 diabetes	KDP	<b>Japan SLC, Inc</b> Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 <a href="mailto:slc03@islc.co.jp">slc03@islc.co.jp</a>	insulinitis <a href="http://www.islc.co.jp/disease/c03.f.htm">http://www.islc.co.jp/disease/c03.f.htm</a>
			GK/Jcl	<b>CLEA Japan, Inc.</b> Tokyo Animal & Diet Dept. 1-2-7 Higashiyama Meguro-ku Tokyo TEL:+81-3-5704-7050 FAX:+81-3-3792-2032	Impaired Glucose Tolerance, polygenic model, non obese <a href="http://www.clea-japan.com/animalpege/a_1/b_04.html">http://www.clea-japan.com/animalpege/a_1/b_04.html</a>
			GK/Slc	<b>Japan SLC, Inc</b> Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 <a href="mailto:slc03@islc.co.jp">slc03@islc.co.jp</a>	Impaired Glucose Tolerance, polygenic model, non obese <a href="http://www.islc.co.jp/disease/c03.f.htm">http://www.islc.co.jp/disease/c03.f.htm</a>
			Type 2 diabetes	SDT/Jcl	<b>CLEA Japan, Inc.</b> Tokyo Animal & Diet Dept. 1-2-7 Higashiyama Meguro-ku Tokyo TEL:+81-3-5704-7050 FAX:+81-3-3792-2032
SDT.Cg-Lep <sup>fa</sup> /JttJcl (SDT fatty)				<b>CHARLES RIVER LABORATORIES JAPAN, INC.</b> Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 <a href="mailto:web_order@crl.com">web_order@crl.com</a>	obesity, insulin resistance, diabetic complication, osteopenia, hypertension <a href="http://www.clea-japan.com/animalpege/a_1/b_10.html">http://www.clea-japan.com/animalpege/a_1/b_10.html</a>
ZDF-Lep <sup>fa</sup> /CrlCrlj Domestic production				<b>CHARLES RIVER LABORATORIES JAPAN, INC.</b> Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 <a href="mailto:web_order@crl.com">web_order@crl.com</a>	obese, diabetic, dyslipidemia, insulin resistance, abnormality of leptin receptor <a href="http://www.cri.co.jp/product/domestic05.html">http://www.cri.co.jp/product/domestic05.html</a>
WBN/Kob Slc	<b>Japan SLC, Inc</b> Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178			pancreatitis, diabetic complication <a href="http://www.islc.co.jp/disease/c03.f.htm">http://www.islc.co.jp/disease/c03.f.htm</a>	

			FAX:+81-53-486-3156 <a href="mailto:slc03@islc.co.jp">slc03@islc.co.jp</a>		
Obesity	Mouse	C57BL/6J Ham Slc-A <sup>y</sup>	<b>Japan SLC, Inc</b> Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 <a href="mailto:slc03@islc.co.jp">slc03@islc.co.jp</a>	obese <a href="http://www.islc.co.jp/disease/c03_f.htm">http://www.islc.co.jp/disease/c03_f.htm</a>	
		C57BL/6J DIO (Diet Induced Obesity) Domestic production JAX® Mice	<b>CHARLES RIVER LABORATORIES JAPAN, INC.</b> Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 <a href="http://web_order@crl.com">web_order@crl.com</a>	Diet-Induced Obesity,hyperglycemia, insulin resistance <a href="http://202.32.114.138/product/domestic/detail/26">http://202.32.114.138/product/domestic/detail/26</a>	
	Rat	Crlj;ZUC-Lepr <sup>fa</sup> Domestic production			obese, dyslipidemia,insulin resistance,abnormality of leptin receptor <a href="http://202.32.114.138/product/domestic/detail/12">http://202.32.114.138/product/domestic/detail/12</a>
			Slc:Zucker <i>fa/fa</i>	<b>Japan SLC, Inc</b> Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 <a href="mailto:slc03@islc.co.jp">slc03@islc.co.jp</a>	obese, dyslipidemia,insulin resistance,abnormality of leptin receptor <a href="http://www.islc.co.jp/disease/c03_f.htm">http://www.islc.co.jp/disease/c03_f.htm</a>
		Hos:Zucker- <i>fa/fa</i>	<b>Hoshino Laboratory Animals</b> ●Reference <b>Japan SLC, Inc</b> Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 <a href="mailto:slc03@islc.co.jp">slc03@islc.co.jp</a>	obese, dyslipidemia,insulin resistance, abnormality of leptin receptor <a href="http://www.islc.co.jp/disease/c03_f.htm">http://www.islc.co.jp/disease/c03_f.htm</a>	
		DahlS.Z-Lepr <sup>fa</sup> /Slc	<b>Japan SLC, Inc</b> Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 <a href="mailto:slc03@islc.co.jp">slc03@islc.co.jp</a>	obese, hypertensive, heart failure, metabolic syndrome, abnormality of leptin <a href="http://www.islc.co.jp/disease/c03_f.htm">http://www.islc.co.jp/disease/c03_f.htm</a>	
		SHRSP/IzmDmcr- <i>fa</i>	<b>Japan SLC, Inc</b> Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 <a href="mailto:slc03@islc.co.jp">slc03@islc.co.jp</a>	stroke, hypertensive, obese, metabolic syndrome, abnormality of leptin receptor <a href="http://www.islc.co.jp/disease/c03_f.htm">http://www.islc.co.jp/disease/c03_f.htm</a>	
		WBN/KobSlc-Lepr <sup>fa</sup>	<b>Japan SLC, Inc</b> Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 <a href="mailto:slc03@islc.co.jp">slc03@islc.co.jp</a>	obese, diabetic,pancreatitis,abnormality of leptin receptor <a href="http://www.islc.co.jp/disease/c03_f.htm">http://www.islc.co.jp/disease/c03_f.htm</a>	
		SHR/NDmcr- <i>cp</i>	<b>Japan SLC, Inc</b> Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 <a href="mailto:slc03@islc.co.jp">slc03@islc.co.jp</a>	obese, hypertensive, diabetic,abnormality of leptin receptor <a href="http://www.islc.co.jp/disease/c03_f.htm">http://www.islc.co.jp/disease/c03_f.htm</a>	
		Dyslipidemia	Mouse	C57BL/6.KOR/Stm Slc-Apoe <sup>shl</sup>	<b>Japan SLC, Inc</b> Sales Department 3371-8, Kotou-cho Nishi-ku Hamamatsu Shizuoka TEL:+81-53-486-3178 FAX:+81-53-486-3156 <a href="mailto:slc03@islc.co.jp">slc03@islc.co.jp</a>
BALB/c.KOR/Stm Slc-Apoe <sup>shl</sup>					
C3H/He.KOR/Stm Slc-Apoe <sup>shl</sup>					
DBA/2.KOR/Stm Slc-Apoe <sup>shl</sup>					
Non-alcoholic steatohepatitis	Mouse	C57BL/6J-NASH Domestic production JAX® Mice	<b>CHARLES RIVER LABORATORIES JAPAN, INC.</b> Customer support center 3-17-6 Shinyokohama Kouhoku-ku Yokohama Kanagawa TEL:+81-45-474-9340 FAX:+81-45-474-9341 <a href="http://web_order@crl.com">web_order@crl.com</a>	Feeding A06071302 (60Kcal% fat) more than six months, will develop NASH-like disease (SPF) A06071309 fed models also available (45Kcal% fat diet) <a href="http://www.cri.co.jp/product/domestic/detail/40">http://www.cri.co.jp/product/domestic/detail/40</a>	

Note: Japan SLC, Inc. (Tel +81-53-486-3178) accepts animals of Institute for Animal Reproduction and Hoshino Laboratory Animals.

(Revision on February 8, 2016)