

Kesari M, Akhtar Ansari J, Hasan Syed M, Ahsan F, Akhtar J, Ahmad S, et al. Integrative Insights into Animal Models for Antihyperlipidemic Drug Screening: Bridging Preclinical and Translational Gaps in Research. *Biomed. Res. Ther.* [Internet]. 2026 Mar. 31 [cited 2026 Apr. 5];13(3):8410-25. Available from: <https://bmrat.org/index.php/BMRAT/article/view/1058>

**Table S1** (Supplementary). Database-specific search strategy used for literature identification.

<b>Database</b>	<b>Search String (Exact syntax as used)</b>	<b>Filters / Limits Applied</b>	<b>Time Frame</b>
<b>PubMed / MEDLINE</b>	("Hyperlipidemia"[MeSH] OR "Dyslipidemias"[MeSH] OR hyperlipidemia OR dyslipidemia OR hypercholesterolemia OR hypertriglyceridemia) AND ("Animal Models"[MeSH] OR "Disease Models, Animal"[MeSH] OR animal model* OR rodent* OR mouse OR mice OR rat OR rabbit OR hamster OR zebrafish OR primate*) AND ("Drug Screening" OR "Pharmacological Screening" OR "Preclinical Evaluation" OR antihyperlipidemic*)	English language; Articles, Reviews; Animal studies	January 2000 – March 2025
<b>Web of Science (Core Collection)</b>	TS=(hyperlipidemia OR dyslipidemia OR hypercholesterolemia) AND TS=(animal model* OR rodent* OR mouse OR rat OR rabbit OR zebrafish OR primate*) AND TS=(drug screening OR preclinical OR pharmacological evaluation OR antihyperlipidemic)	English language; Research Articles and Reviews	January 2000 – December 2024
<b>Scopus</b>	TITLE-ABS-KEY (hyperlipidemia OR dyslipidemia OR hypercholesterolemia) AND TITLE-ABS-KEY (animal model* OR rodent* OR mouse OR rat OR rabbit OR hamster OR zebrafish OR primate*) AND TITLE-ABS-KEY (drug screening OR preclinical OR pharmacological evaluation OR antihyperlipidemic)	English language; Articles and Reviews	January 2000 – December 2024
<b>Google Scholar</b>	"hyperlipidemia" AND "animal model" AND ("drug screening" OR "preclinical evaluation" OR antihyperlipidemic)	English language; relevance-sorted;	January 2000 – December 2024

		first 300 results screened	
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*Boolean operators, truncation (\*), and controlled vocabulary (MeSH) were adapted according to database requirements. Google Scholar was searched using simplified keyword combinations, and the first 300 relevance-ranked records were screened to minimize redundancy and low-quality retrievals.*