Euro NCAP
For Safer Cars

Version 1.0
December 2025

Certificate of Qualification

Euro NCAP hereby confirms that the Human Body Model (HBM),

HBM-Connect 50M V2.5

meets all requirements in Euro NCAP Technical Bulletin “Qualification Procedure for Human Body Models (HBMs)” (CP550) and is therefore eligible for use in simulations in accordance with Technical Bulletin “Human Body Model Simulations in Frontal Impacts” (CP551).

This qualification approval is based on the following data:

Submission Date:	19.12.2025
Data Provider:	Humanetics Innovative Solutions, Inc.
Unit Systems:	ms-mm-kg
FE Solver:	LS-Dyna R12.2
CP550 Version:	v1.1 (December 2025)

Notes for Vehicle Manufacturers Intending to Use the Above HBM:

i. Successful completion of the qualification requirements does not replace the need for comprehensive model validation. Vehicle manufacturers are strongly encouraged to request evidence of such validation when selecting an HBM for their simulations.

ii. To be eligible for scoring, vehicle manufacturers must demonstrate that they satisfy the comparability requirements specified in CP550 when performing their own in-house simulations using the qualified HBM.

Confirmed by: Felix Ressi from Graz University of Technology, on behalf of Euro NCAP.

Signature:

	Signatory	Felix Tobias Ressi
	Date/Time-UTC	2026-02-05T16:33:12+01:00
	Verification	Information about the verification of the electronic signature can be found at: https://www.signaturpruefung.gv.at
Note	This document is signed with a qualified electronic signature. According to Art. 25 para. 2 of the Regulation (EU) No 910/2014 of 23. July 2014 ("eIDAS-Regulation") it shall have the equivalent legal effect of a handwritten signature.	

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