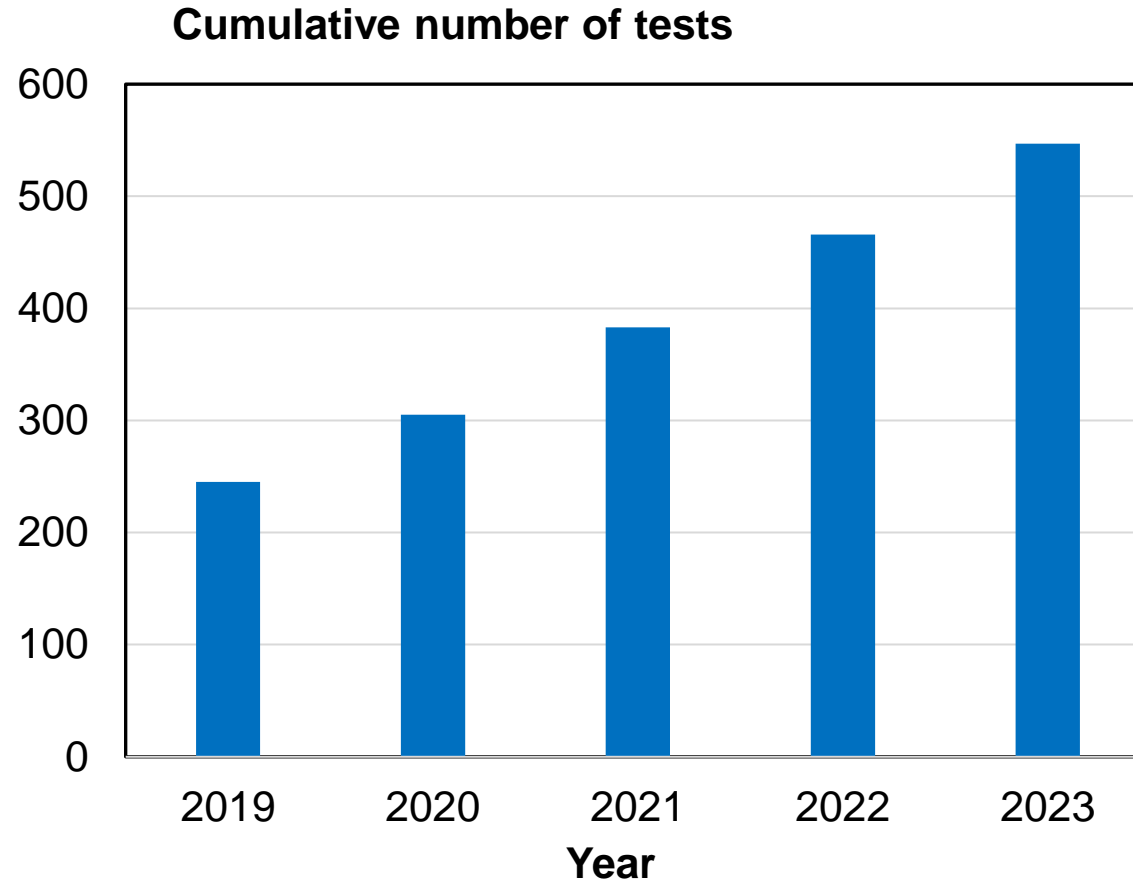


Cumulative number of TR and TP tests of lithium-ion batteries by laser irradiation

By Japan Electrical Safety & Environment Technology Laboratories (JET)



Total more than 500 tests have been conducted by 2023.

Details of tests and cell types

	Cell types		
	Cylindrical	Pouch	Prismatic
Thermal runaway tests (cell level)	13 types	7 types	14 types
	335 tests	27 tests	82 tests
Propagation tests (module level)	6 types	6 types	10 types
	25 tests	22 tests	47 tests

***All tests were complied with IEC 62619**

More details of the prismatic cells

- Capacity: Small (less than 10Ah) , Middle (10-60Ah) , Large (over 60Ah)
- Can materials: Al, SUS
- Cathode materials: NCM, LFP