

DRUG APPLICATION AND RESEARCH CENTER



ERFARMA



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The main goal in drug development is to obtain protection from the disease, treatment of the disease or decrease the symptoms/signs of the disease.

In line with this responsibility, Erciyes University is willing to take part in drug manufacturing and relevant analysis.

▶▶▶ R&D in Pharmaceutical Industry

- Research and development (R&D) in pharmaceutical industry is a laborious and lengthy process requiring high cost studies: It covers approximately 12-15 years of development time that lasts from the discovery of a drug molecule until its use in the medical services, and an average investment of 880 million dollars for this single molecule.
- The drug is mainly the product of a multi-disciplinary knowledge production industry.



Our Mission

- Our mission is to lead the bioanalytical research centers in our country, to contribute to the development of related industries, to be a reference laboratory and to provide added value to our country in this field.
- Our mandate is to translate commercially promising health research conducted at the university level into new therapies and viable investment opportunities for the private sector thereby bridging the gap between academic research and industry.



Our Vision

- With pharmaceutical companies, ideal of continuous development in applications and research studies in mind, we aim to be an innovative and excellence-oriented research center that sets the standards by producing high quality data.



▶▶▶ Our Goals

- On-site pharmaceutical R&D and analysis laboratory with international quality standards provides original and generic drug development and analysis services according to the needs of pharmaceutical companies.
- Analysis to be performed at this center includes both the analysis of manufactured pharmaceutical products and of biological samples produced during clinical studies.
- In addition to the innovative research, professional services are offered to the pharmaceutical industry during product development phase.
- Along with pre-formulation and pharmaceutical formulation studies of the molecules with proven effectiveness, pharmacokinetic and pharmacodynamic parameters related with these molecules are determined.
- Traditional pharmaceutical products as well as biotechnological pharmaceutical new forms are developed and product analysis is performed.
- In order to protect public health in our country, R&D efforts includes development of effective, safe and high quality natural health supplements as well as formulation and production studies.
- Pharmacogenetic studies contribute to the personalized therapy.
- With the emergency and forensic toxicology studies forefront, research is conducted in the field of toxicology.



▶▶▶ Our Fields of Work

- Bioavailability/Bioequivalence studies
- Biopharmaceutical/Biosimilar drug studies
 - Quality control studies
- Pharmaceutical formulation studies
 - Herbal medicine research
 - Pharmacogenetic studies
 - Toxicological analyses
- Project management and method development





▶▶▶ Collaborations

- Drug-related research units in universities
- Domestic and foreign pharmaceutical industries
- Clinical laboratories that perform drug-related bioavailability/bioequivalence and phase studies
- Drug-related R&D institutions and companies



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Address

Ziya Eren Drug Application and Research Center,
38039 Melikgazi, Kayseri - Turkey

Communication

Phone: (0.352) 207 66 66

erfarma@erciyes.edu.tr

Directorate of Press Release