

Research and Development Domain

This Domain includes any requirements in support of Research and Development (R&D) activities. R&D activities may be aimed at achieving either specific or general objectives. The term R&D includes basic research, applied research and experimental development. Services include conducting R&D in the physical, engineering and life sciences, Nanotechnology, Biotechnology, and social sciences and humanities.

The R&D Domain scope areas include, but are not limited to:

- Cell & tissue culture & engineering
- Conceptual design & modification of product or process alternatives
- Design & specification development
- Conducting clinical tests to satisfy requirements prior to commercialization
- Decision support sciences
- Design & improvement of manufacturing or production technologies, processes, techniques
- Design, construction, & testing of pre-production prototypes & models
- Design, development & implementation of new reagents, testing methods or protocols
- Design of tools & materials involving new technology
- Development of new experimental therapeutic drugs, compounds, or molecules
- Development of tools, resources & procedures relating to advanced biologics, assays & testing
- Environmental science research
- Experimental development
- Laboratory & clinical research
- Life science research
- Mathematical science research
- Physical science research
- Biotechnology research & process development
- Product experimentation & modification
- Psychological science research
- R&D advanced training
- R&D of automated processes or robotics
- Protein/peptide sequencing & synthesis
- Research of new applications for existing products
- Software development or I.T. initiatives related to experimental product or process

improvements

- Social science research
- Special studies & analysis
- Special studies & analysis
- Technical research consulting, development, and facilitation services
- Technology transfer/insertion, training & consulting
- Development of new experimental therapeutic drugs, compounds, or molecules
- Development of tools, resources & procedures relating to advanced biologics, assays & testing
- Development of new methods for drug delivery
- DNA: genomics, gene probes, DNA sequencing, genetic engineering consulting
- Test & evaluation (non-routine) services
- Regulatory requirements compliance testing