



---

# **Report on Industrial Visit to Jay Research Foundation (JRF) Global, Valvada**

---



SEPTEMBER 7, 2018  
MALIBA PHARMACY COLLEGE

## Report on Industrial Visit to Jay Research Foundation (JRF) Global, Valvada

Date of visit	September 6, 2018
Place of visit	Jay Research Foundation (JRF) Global, Valvada
Coordinators from college	Mr. Praful Dedhiya, Dr. Furqan Maulvi, Dr. Vilas Surana, Dr. Shrikant Joshi, Dr. Sandesh Lodha, Dr. Bhavin Vyas, Mr. Samresh Pal Roy, Dr. Nidhi Kher
Approved by	Dr. Shailesh A. Shah, Principal
Participating students	Fourteen students of Third sem M.Pharm Pharmaceutical Quality Assurance and Pharmacology
Accompanying faculty members	Dr. Vilas Surana Mr. Praful Dedhiya
Coordinators from industry	Dr. Akshya Kumar Gouda, Senior Manager, HR (Contact no. 99099 00915, Email: goudaak@jrfonline.com) Dr. Darpesh Gohel, Assistant Director, Toxicology (Contact no. 9909900908) Mr. Vishal Shah, Assistant Manager, QA (Contact no. 8000160080)

We reached at JRF Global, Valvada, Vapi, Gujarat by 2:45 pm and were welcomed by Ms. Nidhi from HR department. Our professors Mr. Praful Dedhiya and Dr. Vilas Surana felicitated Ms. Nidhi and Dr. Darpesh with floral bouquet and sweets. After that, she gave us the overview about the preclinical CRO by showing a video clip. They are the oldest preclinical CRO established in 1977 with experience since 39 years and certified with AAALAC and GLP. They work in accordance with the regulatory bodies such as FDA, MHLV, NGCMA, ANVISA. They are following Schedule Y, CPCSEA and OECD for conducting experiments. They provide the following Pharma and Bio Pharma services: IND Evaluation, NDA/ANDA Evaluation, Safety Pharmacology, Chronic (Rodents/ Non-Rodents), Sub- Chronic Inhalation(Rodents), Genotoxicity, Endocrine Agonist and Antagonist Assay. In recent years they have established 4 worldwide centers in India, US, UK, Japan. They have largest animal facilities for Ecotoxicology, Mutagenicity, Neurotoxicology, ADMET, Genotoxicity, Immunotoxicity, Product chemistry, Analytical chemistry, Environmental fate and Metabolism studies, Endocrine disrupters, Mammalian toxicology, In vitro toxicology. The facility also consist of special controlled Barrier Maintained Rodent facility for toxicology research and class 10,000 facility for in vitro studies along with environmental conditions that are maintained on 24/7 basis within the utility room.

Then we started the visit with Mr. Mukesh, scientist from toxicology department. First he showed us the utility room maintaining with standard temperature, humidity and other necessary requirements. After that, we visited breeding area, in which we saw rabbits (*New Zealand white*), dogs (beagle), rats (Wistar), and mice (swice). In Ecotoxicology department they were conducting the experiment using zebra fish, honeybee, and earthworm. Also, we saw radioisotope tracer facility for dermal study on rat skin. In environmental fate and metabolism section, we have visited clinical pathology laboratory there we learn working of variety of instruments: Microplate washer, Oscillator, ELISA reader, Electrolyte analyser, Rx Daytona (biochemistry), Flow cytometer, Advia haematoginizer (3 and 5 parts), Sysmex (coagulation parameter analysis) and many more. Then we visited histopathology department where Dr. Dhiraj, the veterinary pathologist explain us about histology, necropsy, trimming and also animal euthanasia room. He also showed us Paraffin embedding machine, automated rotary microtone section cutter, Slide stainer. In mutagenicity section, they are conducting mutation studies on rat and mice. Furthermore, there were 34 animal holding rooms; depending on the type of study they were placed. There were separate sterilization and washing area and the instructor gave details about the steam sterilization method for husk, cages and food. Then we discussed about the visit with tea and snacks that they served us. Lastly, we ended our visit by clicking a group photograph at 5:15 pm and we moved out of the organization.



**Prepared By: M.Pharm (Pharmacology – Final Year Students)**

**Date: September 7, 2018**