Movie 1: The movie shows the droplet splitting phenomena for the flow ratio of for the various magnetic Bond number under consideration .

Movie 2: The movie shows the droplet splitting phenomena for the flow ratio of for the various magnetic Bond number under consideration .

Movie 3: The movie shows the droplet splitting phenomena for the flow ratio of for the various magnetic Bond number under consideration .

Movie 4: The movie shows the Hump-like structure formation of the magnetic nanoparticles inside the ferrofluid solution in the presence of a magnetic field.

Movie 5: The movie shows the splitting of the isolated ferrofluid droplet in a T-junction for .