CHAPTER 03 OBJECTIVES

Objectives:

Standardization of Ashwagandha plant material.

Confirmation of the efficiency of High Fat Diet (1% Cholesterol) to produce a state of oxidative stress with biochemical and biological characteristic of hyperlipidemia and atherosclerosis.

Study 01: Evaluation of Antiatherosclerotic and Antihyperlipidemic effect of Cyclosporine and Ashwagandha in High Fat Diet induced Atherosclerosis in Rats

Study 02: Evaluation of Antiatherosclerotic and Antihyperlipidemic effect of Sirolimus and Mycophenolate mofetil in High Fat Diet induced Atherosclerosis in Rats

Study 03: Evaluation of Cyclosporine, Ashwagandha, Sirolimus and Mycophenolate mofetil in treatment of Atherosclerosis.

Investigation of the possible underlying mechanisms of the test drugs responsible for reducing high cholesterol levels and risk of atherosclerosis.