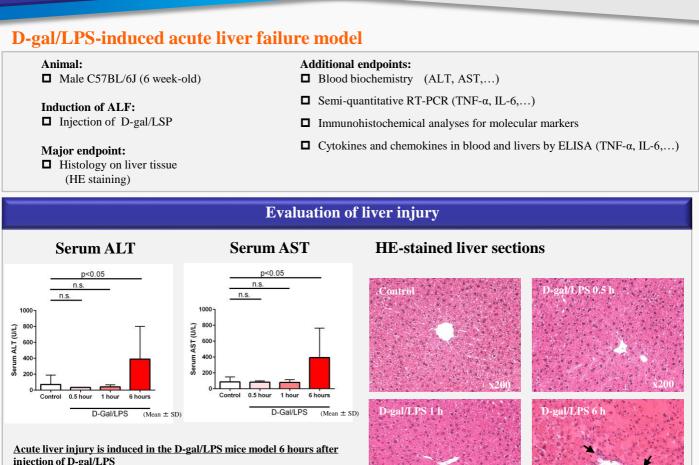
CRO services for Acute Liver Failure

Acute liver failure (ALF) carries a high mortality of approximately 40%, which is caused by vial infections (hepatitis A, B and E), drug allergy or autoimmune hepatitis. ALF exhibits symptoms of severe injury such as destruction of hepatocytes or decrease in liver function due to massive necrosis and inflammation.

D-gal/LPS-induced acute liver failure model is made by combination of D-galactosamine and lipopolysaccharide for acute liver injury with more rapid and efficient disease induction. D-gal/LPS induces a robust inflammation and apoptosis via immune response.

SMC, a Tokyo-based biotech company known as the leading nonclinical CRO for nonalcoholic steatohepatitis (NASH), also provides pharmacology study service of D-gal/LPS model in mice. Our expertise in inflammation/fibrosis is now experienced in liver failure R&D.



injection of D-gal/LPS

· Increased serum ALT and AST levels at 6 hours

SMC Laboratories Inc.

· Necrotic foci and inflammatory cell infiltration observed in the HE-stained liver sections at 6 hours (Arrows represent lesion area)

For more information, please contact us below.

Phone: +81-3-6715-9101 / E-mail: info@smclab.co.jp / Website: www.smclab.co.jp