

BIOHAZARD

ABSL-2



Agent: Plasmodium vivax

Laboratory Hazard: Agent may be present in animal blood and tissues. Since the experimental mode of transmission is by injection, the greatest potential risk is from injury by contaminated sharp instruments or the contamination of broken skin during the administration of agent to animals and during the collection of tissues.

Precautions: Biosafety Level 2 containment practices, equipment and facilities. Limited access. Protective clothing is required before entering the room, including a disposable lab coat, mask, shoe covers, cap, and double gloves. Eye shielding is recommended. Manipulation of the agent, administration of agent to animals, collection of tissues, and husbandry, are conducted in a biological safety cabinet (BSC). Work surfaces and non-disposable equipment are cleaned and decontaminated with 10% bleach followed by 70% ethanol rinse after each use. Animals are housed in autoclavable microisolators, soiled microisolators are placed in autoclavable biohazard bags within the BSC, and autoclaved prior to sanitation. Protective clothing is discarded in red biohazard bags located within the room. Hands are washed/sanitized after removing protective clothing, and before leaving the room. Carcasses, tissues, and disposable equipment having been exposed to the agent are disposed of in the proper biohazardous containers and disposed of as biohazardous waste.

Note: Plasmodium vivax is one of the protozoan parasites that cause malaria in humans. The life cycle of all *Plasmodium* species is complex requiring an obligate intermediate host for life cycle completion and transmission. Plasmodium infects RBCs but can damage any and all organs. Symptoms include fevers, chills, headache, and fatigue with progressing intensity. All exposures will be reported immediately to Principal Investigator (PI) [insert phone # here]. For medical follow-up and care, all work-related injuries or illnesses are to be reported by the supervisor or department designee by telephone to: OptaComp 1 (877) 518-2583.