Alphabioregen

Product Name: Ames Medium w/L-Glutamine

Catalog No: PG012

Product Format: Liquid

Stored at 4°C

General Information: The retina is an important in vitro model for the central nervous system. It is more readily accessible than most nervous tissue and is strong enough to remain intact during manipulations. The retina of the rabbit commonly contains no penetrating blood vessels. It is nurtured by diffusion from capillary networks on either side. For this reason, the tissue will survive and functions without circulating blood, as long as it is bathed in a medium that closely resembles in vivo conditions.

Ames' medium was formulated to support retinal tissue in relatively short-term culture. Rabbit retina has been incubated in Ames' medium for over 2 days with its metabolism and electrical responses to light stimuli well maintained. This mixture is a medium of choice for maintaining central nervous system tissue in vitro.

The medium is for research use only and not approved for human or animal use or for application in any in vitro diagnostic procedure. Storage of the medium and supplements Please note that the basal medium has to be stored at 4°C up to 8°C but never should be frozen. The supplement has to be stored at -20°C. Protect from light for a longer time period.

Preparing and Stability:

Thaw the supplement mixture at 37°C before adding to the basal medium. After thawing please rinse the bottle and the tube with 70% ethanol as protection. Remove ethanol excess before opening the cap of the tube. After adding the supplement mixture to the basal medium slew carefully to get a homogenous medium. Please be careful not to touch the tube or bottle interior threads with your fingers. Please avoid long term exposure to light because some components are light sensitive. Also do not warm up the medium over 37°C. All this protects your medium against contamination or degradation of essential components.