

User Manual

OriCell™ Alcian Blue 8GX Solution

Catalog No. ALCB-10001



Introduction

Alcian Blue 8GX is a cationic dye that specifically stains acidic mucopolysaccharides by forming salt linkages with their acidic functional groups. By adjusting the pH and electrolyte concentration of the dye solution, different types of acidic mucosubstances can be selectively distinguished.

OriCell™ Alcian Blue 8GX Solution is specifically formulated to stain the acidic mucopolysaccharides within the cartilage matrix. It yields a distinct blue coloration, providing a reliable method to visualize and evaluate chondrogenic differentiation.

Note: This product is intended for research use only and is not for diagnostic, therapeutic, clinical, household, or any other applications.

When citing our products in academic publications, please use the following format: “OriCell™ [Product Name] + [Catalog Number], from Cyagen Biosciences.”

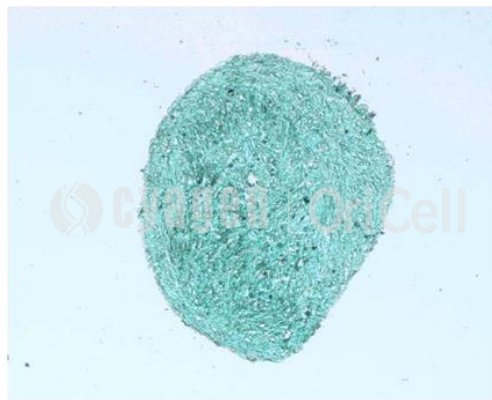
Product Stability and Storage Conditions

1. This reagent has a shelf life of 1 year and should be stored at 2–8 °C.
2. The shelf life may be extended if the container remains properly sealed and consistent storage conditions are maintained without frequent temperature fluctuations.
3. Use the reagent before the expiration date. Expired reagents may significantly compromise experimental results.

Alcian Blue Staining for Chondrogenesis

1. Prepare sections of the chondrogenic pellets.
2. Apply an appropriate amount of OriCell™ Alcian Blue Solution dropwise onto the dried sections.
3. Incubate at 37 °C for 1 hour.
4. After staining, rinse the slides with tap water for 5 minutes, then air dry.
5. Examine the staining results under a microscope. Blue-stained areas indicate the presence of acidic mucopolysaccharides within the cartilage matrix.

Alcian Blue Staining Result



Cyagen Biosciences (Suzhou) Inc. reserves all rights to the technical documents of OriCell™ cell culture products. Without the written permission of Cyagen Biosciences (Suzhou) Inc. any part of this document shall not be adapted or reprinted for other commercial purposes.