

ABSTRACT

Provided is an N-acetyl- β -D-glucosaminidase detection reagent. The detection reagent consists of R1 and R2. The reagent R1 comprises a buffer solution, VRA-NAG, BSA, magnesium chloride, EDTA·2Na, Trixon X100, SDS, sodium sulfite, polyethylene glycol 6000, ethylene glycol, glucose, β -cyclodextrin, crown 18 ether and a preservative; the reagent R2 comprises a buffer solution, Tween 20, urea, BSA and a preservative. In the present disclosure, a magnesium ion is used as a substrate chelating agent for the first time, and the magnesium ion is chelated with VRA-NAG with a cyclic structure to form a hexatomic ring chelate, thereby enhancing the stability of the reagent.

<FIGURE 1>