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In vitro alpha-glucosidase enzyme activity

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Works for me

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ABSTRACT

alpha-glucosidase enzyme hydrolyses p-NPG to p-nitro phenol and glucoside. p-nitro phenol have max absorbance at 405 nm.

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1 50 µl

Add 50 µl pH=6.8 0.1 M phosphate buffer each well

2 10 µl

Add 10 µl 1U/ml enzyme solution

3 20 µl

Add 20µl sample solution containing 10, 7.5, 5, 2.5, 1, 0.75, 0.5, 0.25, 0.125 mg/ml perapared in max %20 DMSO:buffer solution

15m

 00:15:00  37 °C

30m

4  20 µl

Add 20 µl 0.5 mM p-NPG

 00:30:00  Room temperature

5 Read absorbance at 405 nm