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In vitro alpha-glucosidase enzyme activity

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Protocol status: Working
We use this protocol and it's working

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1

50 µL

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

ABSTRACT

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

2

10 μ L

Add 10 μ l 1U/ml enzyme solution

3

20 μ L

Add 20 μ l 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

4

20 μ L

Add 20 μ l 0.5 mM p-NPG

30m

00:30:00

Room temperature

5

Read absorbance at 405 nm