

invitrogen™

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Second Strand Buffer

Cat. no. 10812-014 Size 0.5 mL Store at -30°C to -10°C

Doc. Part no. 10812014.pps Pub. no. MAN0000906 Rev. 2.0

Description

Use Second Strand Buffer with the SuperScript® cDNA Synthesis Systems (Gruber, 1991; Gruber, 1991; D'Alessio, 1990) to generate second strand cDNA from mRNA in the first strand reaction. Second Strand Buffer is supplied as a 5X concentrate, and it should be diluted, 1:5 (1 part 5X Second Strand Buffer + 4 parts of other components).

5x Second Strand Buffer Composition

100 mM Tris-HCl (pH 6.9)

23 mM MgCl₂

450 mM KCl

0.75 mM β-NAD

50 mM (NH₄)₂ SO₄

References

D'Alessio, J.M., Gruber, C.E., Cain, C., Noon, M. C. (1990) *Focus*® 12:2, 47.

Gruber, C.E., Cain, C., D'Alessio, J.M. (1991) *Focus*® 13:3, 88.

Gruber, C.E., Cain, C., Noon, M. C., D'Alessio, J.M. (1991) *Focus*® 13:1, 23.

For Research Use Only. Not for use in diagnostic procedures.

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