

ISOLATION OF NEURAL CELLS WITH COLLAGENASE NB

In the following, application details for isolation of neurons from human and rodent dorsal root ganglia and Schwann cells from nerve tissue are presented

Species	Enzymes	Conditions
Human*	Collagenase NB 4 or Collagenase NB 6	0.15-0.25 PZ U/ml, 30-60 min, 37 °C
Rodent	Collagenase NB 4	0.15-0.25 PZ U/ml, 30-60 h, 37 °C

* For information on GMP grade Collagenase NB please [contact us!](#)

Collagenase NB 4 Standard Grade (cat. no. S1745401) has a collagenase activity of ≥ 0.1 PZ U/mg and a balanced mix of proteolytic side activities.

Collagenase NB 6 GMP Grade (cat. no. N0002779) has a collagenase activity of ≥ 0.1 PZ U/mg and a balanced mix of proteolytic side activities. It is manufactured according to GMP guidelines and sterile according to European Pharmacopoeia.

Schwann cells from neuronal tissue:

Species	Enzyme	Conditions
Rodent	Collagenase NB 4	0.2-0.3 PZ U/ml, 1-3 h, 37 °C

Clinical applications*

Species	Enzyme	Conditions
Human	Collagenase NB 1 GMP Grade, Neutral Protease NB GMP Grade	0.5 PZ U/ml, 2 DCM U/ml, 18 h, 37 °C

* For information on GMP grade Collagenase NB please [contact us!](#)

Collagenase NB 1 GMP Grade (cat. no. N0002937) is a highly purified collagenase with a high collagenolytic activity (≥ 3.0 PZ U/mg) and very low proteolytic side activities. Research quality **Collagenase NB 1 Premium Grade (cat. no. S1745503)** is also available.

Collagenase NB 4 Standard Grade (cat. no. S1745401) has a collagenase activity of ≥ 0.1 PZ U/mg and a balanced mix of proteolytic side activities.

Neutral Protease NB GMP Grade (cat. no. N0002936) is a protease from *C. histolyticum*. It has a proteolytic activity of ≥ 0.50 DMC U/mg. It is also available in research quality **Neutral Protease NB (cat. no. S3030111)**.

Isolation conditions

The suggested Collagenase NB concentrations and isolation conditions should be regarded as starting points. Collagenase NB dosage is recommended in PZ units to ensure consistent results.

For further information on optimization of tissue digestion please contact us at (631) 348-0333 or collagenase@crescentchemical.com or visit us at www.crescentchemical.com.

Ordering:

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