

ISOLATION OF SCHWANN CELLS WITH COLLAGENASE NB

In the following, application details for isolation of Schwann cells from nerve tissue are presented.

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

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.

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)**.

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.

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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