

THYRIOD



ISOLATION OF CELLS FROM THYRIOD WITH COLLAGENASE NB

In the following, application details for isolation of epithelial cells from human thyroid glands and human thyroid tumor tissue are presented.

Epithelia cells from human thyroid glands:

Species	Enzymes	Conditions	
Human*	Collagenase NB 4 or Collagenase NB 6	0.25-0.3 PZ U/ml, RT	

Tumor cells from human thyroid glands:

Species	Enzymes	Conditions	
Human*	Collagenase NB 8	3.5-5.5 PZ U/ml, 3-5 h, 37 °C	

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

Collagenase NB 4 Standard Grade (cat. no. S1745402) 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.

Collagenase NB 8 Broad Range (cat. no. S1745601) is characterized by a high collagenase activity (≥ 0.9 PZ U/mg) and reduced levels 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 visit our support section!

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:

Crescent Chemical Co., Inc.
2 Oval Drive
Islandia, N.Y. 11749
Phone: (631) 349-0333 Fax: (631) 348-0913
E-Mail: collagenase@crescentchemical.com
www.crescentchemical.com