

UMBILICAL CORD



ISOLATION OF CELLS FROM THE UMBILICAL CORD WITH COLLAGENASE NB

In the following, application details for isolation of human foreskin (HDMEC) and stem cells from human Wharton's jelly and human or murine adipose tissue are presented

Endothelia cells from umbilical vein:

Species	Enzymes	Conditions	
Human* (HUVEC)	Collagenase NB 4 or Collagenase NB 6	0.15-0.25 PZ U/ml, 0.5-2 h, 37 °C	

Stem cells from human Wharton's jelly:

Species	Enzyme	Conditions	
Human	Collagenase NB 4	0.13-0.15 PZ U/ml, 1-6 h , 37 °C	

Clinical applications*

Species	Enzyme	Conditions	
Human	Collagenase NB 6	0.13-0.15 PZ U/ml, 1-6 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.

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:

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