

## LIVER



### ISOLATION OF HEPATOCYTES FROM LIVER TISSUE WITH COLLAGENASE NB

In the following, application details for isolation of hepatocytes from rodent, porcine and human liver tissues are presented.

Species	Enzymes	Conditions	
Human*	Collagenase NB 4G	0.25-0.35 PZ U/ml, 10-20 min, 37 °C	
Mouse	Collagenase NB 4G	0.08-0.11 PZ U/ml, 5-15min, 37 °C	
Pig	Collagenase NB 8	0.2-0.3 PZ U/ml	
Rat (adult)	Collagenase NB 4G	0.12-0.15 PZ U/ml, 10-25 min, 37 °C	

#### Clinical applications\*

Species	Enzyme	Conditions	
Human*	Collagenase NB 6	0.25-0.35 PZ U/ml, 10-20 min, 37 °C	

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

**Collagenase NB 4G Proved Grade (cat. no. S1746501)** has a collagenase activity of  $\geq 0.18$  PZ U/mg and a balanced mix of proteolytic side activities.

**Collagenase NB 6 GMP Grade (cat. no. N0002779)** has a collagenase activity of  $\geq 0.1$  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 ( $\geq 0.9$  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 contact us at (631) 348-0333 or [collagenase@crescentchemical.com](mailto:collagenase@crescentchemical.com) or visit us at [www.crescentchemical.com](http://www.crescentchemical.com).

#### Ordering:

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