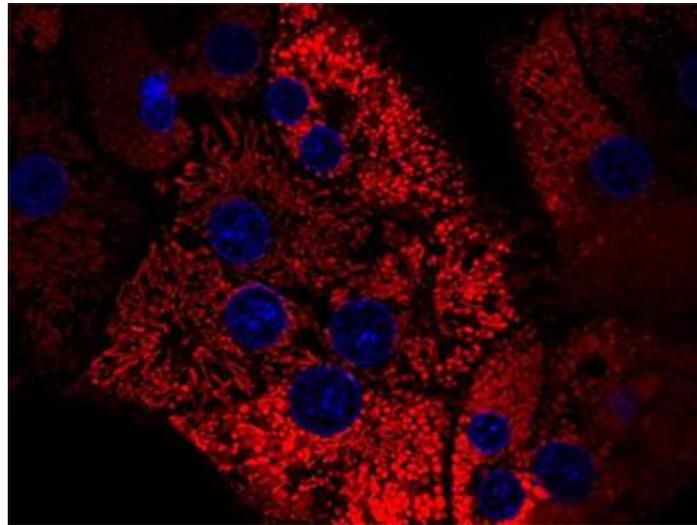


## Clinically Validated Collagenase and Neutral Protease Enzymes

**Amsbio**, in association with **Nordmark Biochemicals**, has expanded its range of **Collagenase and Neutral Protease NB enzymes** with **GMP grade** formats and protocols to support advanced tissue dissociation workflows for applications from research to clinical use.



**Image caption:** Rat hepatocytes isolated using Collagenase NB 4G (Proved Grade): mitochondria stained with TMRM (red), nuclei stained with Hoechst 33342 (blue). Image courtesy of Dr. Pless, University Essen (Germany)

**These enzymes, derived from *Clostridium histolyticum*,** are critical raw materials for isolating viable cells from complex tissues - an essential step in tissue engineering, cell therapy and regenerative medicine. Their clinical relevance is reinforced by recent studies to set up a protocol for isolation, manufacturing, and storage of mesenchymal stem cells (MSCs) under GMP-compliance (Williams et al. 2025\*).

### **To meet the demanding purity requirements**

for these applications, production facilities for these Collagenase and Neutral Protease enzymes are certified as Good Manufacturing Practice (GMP) compliant, following EU Guidelines for Good Manufacturing Practice as well as other national and international regulatory frameworks such as the Pharmacopoeias, DIN EN ISO Standards and guidelines of the US Food and Drug Administration (FDA), CFR and many more.

### **The superb quality and performance of these new GMP-grade products**

is guaranteed by stringent quality control ensuring reliable lot-to-lot consistency and delivering high yields of viable cells with every use. TSE (Transmissible Spongiform Encephalopathy) safety of these products is clinically certified and Virus validation studies performed.



Amsbio offers a “Translational Collagenase model” where research grade products are offered alongside GMP alternatives of equivalent activity. The end-user can optimize their protocols with the research grade, then later easily switch to the GMP version for the clinical environment without making any changes to the protocol.

**For further information**

please visit <https://www.amsbio.com/collagenase-nb-and-neutral-protease/> or contact Amsbio on +31-72-8080244 / +44-1235-828200 / +1-617-945-5033 / [info@amsbio.com](mailto:info@amsbio.com).

**AMS Biotechnology (Amsbio)**

Now part of the Europa Biosite group of companies, AMS Biotechnology (Amsbio) is recognized as a leading transatlantic company contributing to the acceleration of discovery through the provision of cutting-edge life science technology, products, and services for R&D in the medical, nutrition, cosmetics, and energy industries. Amsbio has in-depth expertise in extracellular matrices to provide elegant solutions for studying cell motility, migration, invasion, and proliferation. This expertise in cell culture and the ECM allows Amsbio to partner with clients in tailoring cell systems to enhance organoid and spheroid screening outcomes using a variety of 3D culture systems, including organ-on-a-chip microfluidics. For drug discovery research, Amsbio offers assays, recombinant proteins, and cell lines. Drawing upon a huge and comprehensive biorepository, Amsbio is widely recognized as a leading provider of high-quality tissue specimens (including custom procurement) from both human and animal tissues. The company provides unique clinical grade products for stem cells and cell therapy applications. This includes GMP cryopreservation technology, and high-quality solutions for viral delivery.

· Williams et al - BMC Molecular and Cell Biology, 2025, 26(1), 1-10

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