



abiel®

the new face
of tissue
dissociation
enzymes

COL G - COL H RECOMBINANT COLLAGENASES

Designed to improve cell isolation **reproducibility** and **standardization**, enhancing **cell yield** and **viability**. Suitable for all tissues, COL G and COL H preserve your cells and can be mixed in **specific formulations** for each application.

Each formulation is **perfectly reproducible** and does not require any preliminary test. The absence of other proteolytic activities make the final product **remarkably stable** and ensure **lot-to-lot consistency**.



COL G - COL H RECOMBINANT COLLAGENASES

Benefits of Abiel's Enzymes

- Reproducible batches
- Consistency
- Pure Collagenases (>99%)
- Reagent Flexibility
- High stability
- Endotoxin-free

Available Isolation Protocols

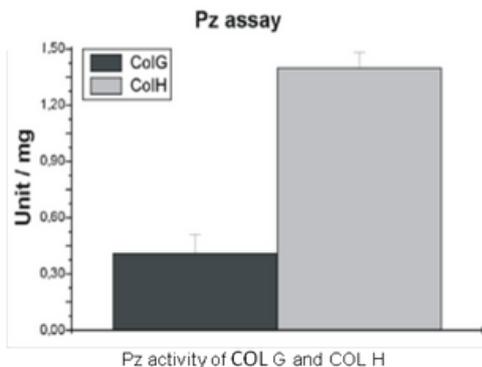
- Chondrocytes
- MSCs from Adipose Tissue
- Islets from Rat Pancreas
- Islets from Mouse Pancreas
- Hepatocytes from Rat liver
- Cardiomyocytes from Rat

PROPERTY	COL G	COL H
Endotoxin content EU/mg*	2.5 ±0.5	2.1 ±0.3
Composition variability %**	< 1.0%	< 1.0%
Enzyme activity in the product %***	>99.0%	>99.0%

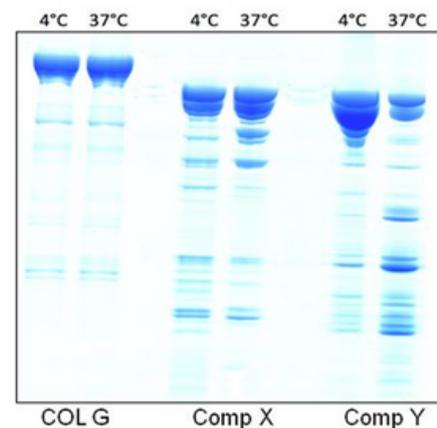
*Endotoxin evaluation performed by LAL assay

**Densitometric analysis

***SDS-PAGE and gelatin zymography



SDS-PAGE
after 1 hr incubation at 37 °C of Abiel COL G-H blend and competitors collagenases.



REFERENCES

1. SALAMONE ET AL. CHEMICAL ENGINEERING TRANSACTIONS 2012, 27, 259-264
2. SALAMONE ET AL. CHEMICAL ENGINEERING TRANSACTIONS 2012, 27, 1-6
3. ABIEL S.R.L., PCT WO 2011/073925 A2
4. SALAMONE ET AL. TRANSPLANT PROC., 2010 42(6), 2043-2048.