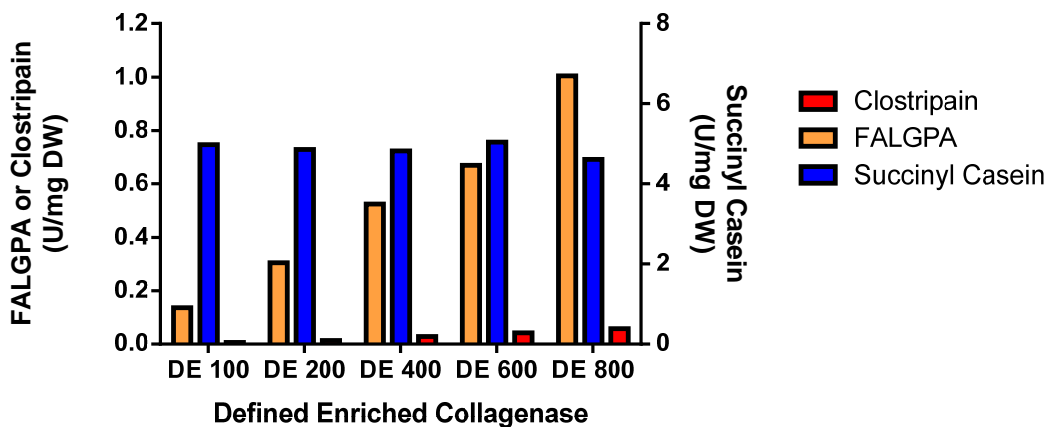


# DE Collagenase

## Changing the paradigm.

VitaCyte's defined enriched (DE) collagenase products set a new standard of consistency and enables assessment of a broader range of collagenase:protease ratios for cell isolation than found with current collagenase products. Each DE product contains a fixed amount of protease activity<sup>1</sup> and increasing amounts of collagenase activity<sup>2</sup>, simplifying collagenase selection and minimizing the need for lot qualification.



Each DE product contains a fixed amount of purified BP Protease (succinyl casein<sup>1</sup>) and increasing amounts of collagenase activity<sup>2</sup>. Clostripain contaminates the enriched collagenase component, its activity<sup>3</sup> increases with increasing collagenase activity. The graph above shows the specific activity of each DE product as defined by enzyme activity units (U) per mg dry weight (DW).

### The three Cs of DE Collagenase:

#### CONSISTENT

- Fixed amount of purified protease
- Low clostripain contamination
- Removal of the majority of contaminants in crude collagenase

#### CONVENIENT

- Weigh out what you need or reconstitute and use entire bottle
- Rapid dissolution, no clogged filters, no need for pre-centrifugation
- Stable for 2 years at +4°C storage, 4 years at < -20°C

#### COST EFFECTIVE

- Increase productivity, minimize need for lot testing
- Purchase of large quantities of "good" lots of collagenase avoided
- Easily migrate to purified enzyme products based on consistency of DE Collagenase products



# Ask for DE Collagenase.

The products below are defined by minimal FALGPA activity units<sup>2</sup> per bottle. The Table below provides ordering information and a cross reference chart to indicate which DE Collagenase product may meet your needs.

## Cross Reference to Other Products/Pricing

PRODUCT	CATALOG #	PRICE PER BOTTLE	CROSS REFERENCE
DE Collagenase 100	011-1010	1 g \$180	Worthington Type 1 or 2
DE Collagenase 10	011-1110	100 mg \$ 36	Liberase TM or DH, Blendzyme 1 or 2
DE Collagenase 200	011-1020	1 g \$330	Sigma Type I,II, IV, V, or XI
DE Collagenase 20	011-1120	100 mg \$ 66	
DE Collagenase 400	011-1030	1 g \$420	Sigma Type I,II, IV, V, or XI
DE Collagenase 40	011-1130	100 mg \$ 84	
DE Collagenase 600	011-1040	1 g \$540	Sigma Type I,II, IV, V, or XI
DE Collagenase 60	011-1140	100 mg \$108	
DE Collagenase 800	011-1050	1 g \$650	Liberase TL, Liberase DL
DE Collagenase 80	011-1150	100 mg \$130	Liberase HI
Collagenase Gold 800	011-1060	1 g \$650	
Collagenase Gold 80	011-1160	100 mg \$130	

## For more flexibility: Collagenase Gold.

The Collagenase Gold product (see above for pricing) is similar to the DE Collagenase 800 but does not contain any supplemental purified protease. This product enables customers to use other proteases or to purchase from VitaCyte the same protease used in the DE Collagenase products (BP Protease, catalog # 003-1000) for creation of a custom mixture.

### To Order:

- send order via email to [orders@vitacyte.com](mailto:orders@vitacyte.com)
- fax an approved purchase order to 317.917.3459
- call 888.664.2687 Monday through Friday, 8:30 AM – 5:30 PM ES

All orders received before 3:00 PM EST Monday – Thursday will be shipped on dry ice via FedEx for next-day delivery.

For more information on specific applications, contact technical service at 888.664.2687 between 8:30 AM and 5:30 PM EST.

### References

1. Hatakeyama T, Kohzaki H, and Yamasaki N. *Analytical Biochemistry* 204 (1992); 181-84.
2. Van Wart HE and Steinbrink DR. *Analytical Biochemistry* 113 (1981); 356-65.
3. Mitchell WM and Harrington WF. *Methods in Enzymology* 19 (1970) 635-642.

