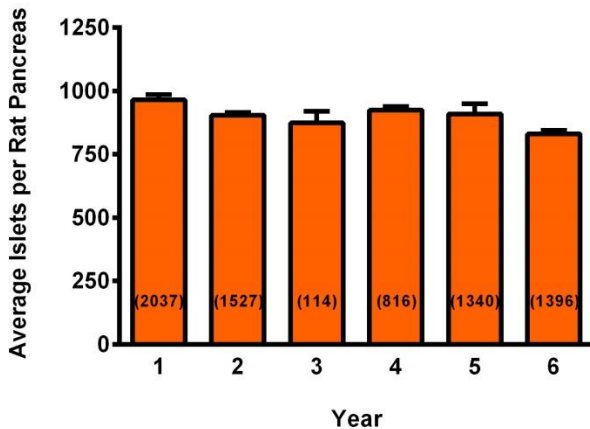


Clzyme RI

Never Lot Test Again

Lot testing is required to manage the variability of enzyme activities found in different lots of crude collagenase used for rodent islet isolation. RI overcomes “lot qualification” since purified enzymes are used to manufacture a consistent product. Consistent performance of RI eliminates lot testing, improving productivity.

Product Consistency Translates to Consistent Results



The above chart shows islet yields from Sprague Dawley rats (220-250g) using 12 different lots of Clzyme RI over the course of six years. The same dose and timing were used for all isolations without lot pre-qualification at a major diabetes research center on the US east coast. The number in parenthesis indicates the total number of rats used each year.

The Benefits of Using RI

CONSISTENCY	CONVENIENCE	COST EFFECTIVE
<ul style="list-style-type: none">• Adverse contaminants eliminated• Increases productivity and control• Method standardization enables comparison of results between laboratories	<ul style="list-style-type: none">• Avoids weighing of powder• Reconstitute and use• Remainder can be frozen and reused	<ul style="list-style-type: none">• Lowest price in market for a purified enzyme• Eliminates need to purchase large quantities to overcome the biochemical variability of crude collagenase

Ask for RI

Many believe that lot testing can overcome problems in the rodent islet isolation process. However, this comes at the cost of wasted time and resources in matching performance to a prior lot of collagenase. How will the results with the new lot compare to those you reported on earlier?

Islet yields vary by sex, age or strain of an animal. Download the copy of VitaCyte's white paper, "What is an Acceptable Rodent Islet Yield?", that provides information from each strain on the average islet yield per pancreas, method used, product and dose used in the isolation, digest time and purification method. Representative results from the white paper are presented below.

Representative Results

SPECIES	STRAIN	ISLETS/PANCREAS
Mouse	C57BL 6-8 weeks ♂ or ♀	200-300
Mouse	DBA 8 weeks ♂	400
Mouse	NMRI 11-12 weeks ♀	400-500
Rat	SD (Taconic) 6 months ♂ or ♀	1000
Rat	Lewis 6-8 weeks ♂ or ♀	1000

Ordering

PRODUCT	CATALOG	APPLICATION
RI	005-1030	Rodent Islet

To locate a distributor in your region please visit www.VitaCyte.com/contact-us/. If your country is not currently served by one of our distributors, contact us to discuss direct shipment of product to your location. Orders outside the U.S. may require a customs broker.

International orders are shipped Monday - Friday via FedEx International Priority Service. Some products are shipped on dry ice.