

***Mycobacterium canetti* Gamma-Irradiated Whole Cells****Catalog No. NR-36495**

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**Product Description:** *Mycobacterium canetti* (*M. canetti*) was grown to late-log phase in glycerol-alanine-salts medium and inactivated by exposure to 2.4 mRads of ionizing gamma irradiation using a <sup>137</sup>Cs source. Confirmation of inactivation was performed by Alamar Blue assay. A dose of 2.4 mRads of gamma irradiation kills *M. canetti* to a 10<sup>20</sup> degree of certainty while maintaining 93% to 95% of the biological activity of the enzymes. The bacilli are harvested by filtration and washed with PBS pH 7.4.

**Lot: 61131528****Manufacturing Date: 04OCT2012**

Production and QC testing were performed by Colorado State (CSU). The CSU documentation for bulk lot 12.Mc.11.2.1.TH.c is attached. This lot was aliquoted at CSU and each vial contains approximately 10 g of *M. canetti* gamma-irradiated whole cells.

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You are authorized to use this product for research use only. It is not intended for human use.



WORK SHEET FOR  $\gamma$ -IRRADIATED CELLS

General Information

Lot Number: 12.Mc.11.2.1.TH.c  
Species: M. Canetti

Growth Conditions: Medium: GAS  
# of Fernbachs: 8 # of Roller bottles: 0  
Inoculation Date: 7.18.12 Harvest Date: 8.1.12  
SOP # used for Harvest: PP003.5/9/08 version

Wet Weight: 52.0 g

Date irradiated: 10.4.12 By: IC

Alamar Blue QC Information

Date Started: 10.23.12 Date Checked: 10.25.12  
Positive Control: Positive X Negative       

OD =.1 change: 0.04768

Sample: Positive        Negative X

OD=.1 change: -8E-05

Aliquot Information

3 x 10.0 g in 15ml falcon tubes  
1x 8.4g in 15mL falcon tubes

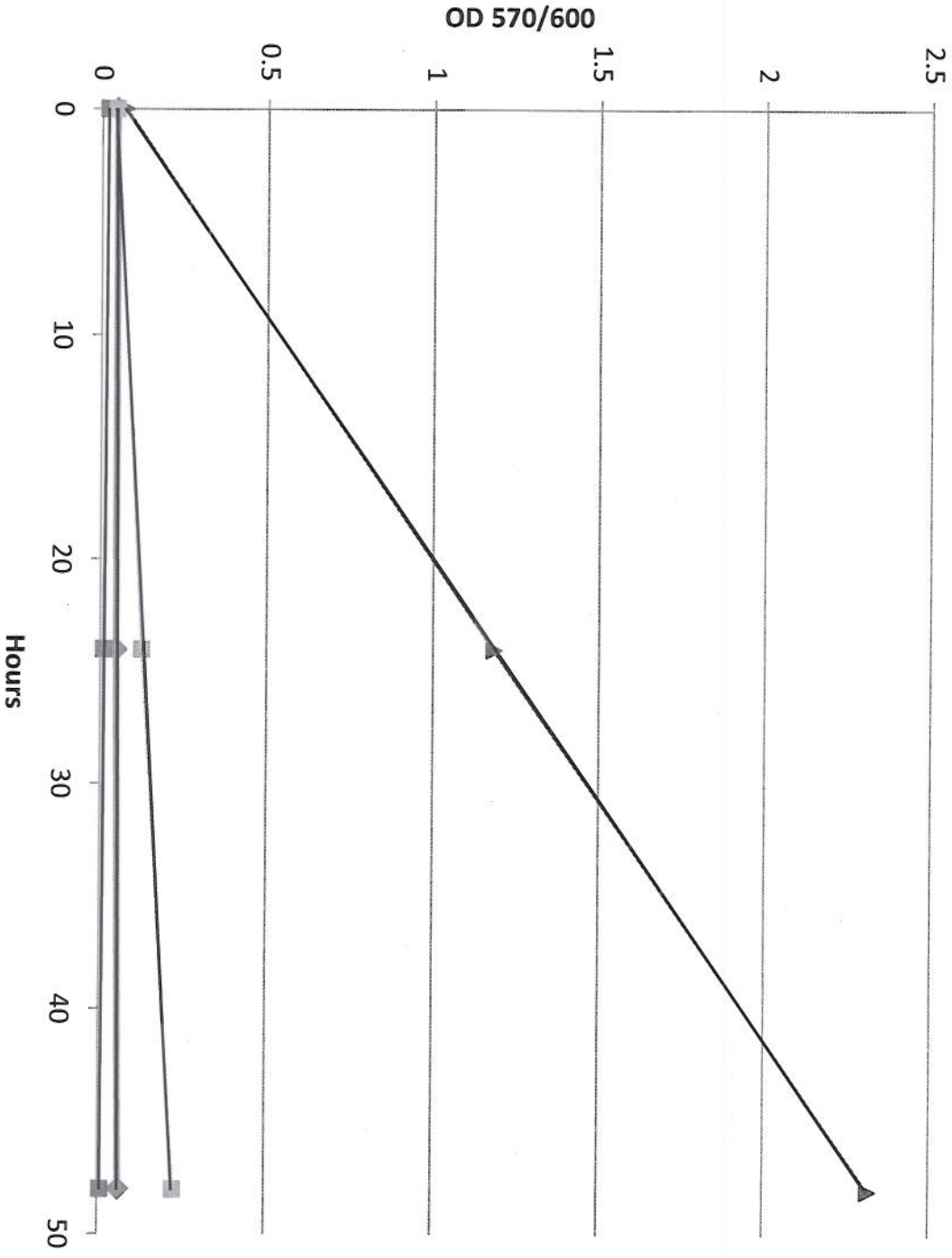
  
(Research Associate)

11/6/12  
(date)

  
(Laboratory Supervisor)

11/6/2012  
(date)

# Canetti C



◆ avg sample 0.1

$$Y = -8E-05x + 0.0359$$

■ avg sample 0.01

$$Y = -0.0002x + 0.019$$

▲ pos1 0.1

$$Y = 0.0468x + 0.0678$$

■ pos1 0.01

$$Y = 0.0038x + 0.0417$$