

Today's Date: 11/12/96
 Date Received: 10/23/96
 Lab Numbers:
 6297001 - Activated Ceramic Laundry Discs

Analysis: Comparison of effects of Clean Wash Plus Activated Ceramic Laundry Discs on viability of Klebsiella pneumoniae.

Purpose of Research: To determine the effectiveness of Clean Wash Plus Activated Ceramic Laundry Discs in killing Klebsiella pneumoniae.

Analyst: Kristina Chapman, Microbiologist

METHOD: Klebsiella pneumoniae (K. pneumoniae, ATTC # 49472) was inoculated into Trypticase Soy Broth and incubated overnight at 35°C. The density was adjusted to that of a No. 5 MacFarland Nephelometer tube which contains approximately 1.5 x10⁸ bacteria/ml. Three 1 liter beakers each containing 500 mls. Sterile, normal saline, were tempered to 35°C in a Precision Scientific Orbital Shaker Bath. Two hundred microliters (about 3.0 x 10⁸ bacteria) were added to each of the beakers, then samples of the inoculated saline were taken, diluted and plated in Standard Methods Agar (Accumedia-cat. # 7157). Once the initial samples had been plated, the Clean Wash Plus Activated Ceramic Laundry Discs were added to the beakers saline and returned to the waterbath.

Waterbath Settings: Temperature 35°C

Shaker Settings: 160 rpm

Time: 60 minutes-samples being drawn at 15, 30 & 60 minutes.

Results were as shown in Table 1 -

TABLE 1 RESULTS OF Klebsiella pneumoniae TEST

Time elapsed	Control (no treatment) #/ml	CWP Activated Ceramic Laundry Discs #/ml
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TABLE 1 RESULTS OF Klebsiella pneumoniae TEST

Time elapsed	Control (no treatment) #/ml	CWP Activated Ceramic Laundry Discs #/ml
Initial	160,000	150,000
15 min.	150,000	< 10
30 min.	180,000	< 10
60 min.	280,000	< 10



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