

**Diara M. Diaz**  
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- Education:** Regis University, Denver, Colorado. Bachelor of Science August 2006. Major in biology. Funded 50% of own education, parents assisted with remainder.
- Professional Experience:** **Microbiologist**, WhiteWave Foods Company, Corporate Quality Assurance Laboratory, Broomfield, CO, January 2008-present.
- Laboratory Experience:**
- Experience with AOAC and BAM methods in standard plate count, 3M Petrifilm (Aerobic Plate Count, Enterobacteriaceae, Coliform, Rapid Coliform, *E. coli*/Coliform, *S. aureus* Express, and Yeast & Mold), psychrophilic, thermophilic, anaerobic, mesophilic and thermophilic spores, PI counts, and lactic acid bacteria testing.
  - Experience implementing and assisting with ISO 17025 audit and certification.
    - Knowledgeable in implementing and maintaining laboratory controls samples (LCS) and logs according to ISO 17025.
    - Competent in calculating measurement of uncertainty, monitoring, and graphing proficiency of control samples using SPC for Excel.
  - Certified by Biomerieux in VIDAS (pathogen testing via ELFA for *Listeria*, *Salmonella*, Staph Enterotoxin, and *E. coli* O157) and VITEK2 (organism identification of gram negative and positive, bacillus, and yeast microorganisms).
    - Experience with Charles Rived Endosafe gram identification instrument.
  - Trained in Charm EPIC ATP instrumentation and software.
    - Also posses experience with Charm AllerGiene swabs, Pocket ATP swabs, and NovaLum reader.
  - Trained in Biomerieux Diversilab (DNA fingerprinting) technique, instrumentation, and software.
  - Experience with ELISA test methods:
    - Certified by Neogen in Veratox Milk, Egg, Soy, and Almond allergen testing.
    - Experience with Biomerieux Soy and Almond allergen testing.
    - Experience with EnviroLogix Roudup Ready Soybean GMO testing.
    - Skilled in formulating protein standards of known concentration (ppm) for LCS and for allergen proficiency program.
  - Experience with Coomassie Plus (Bradford) Assay of protein using bovine serum albumin (BSA).
  - Enrolled in AOAC M01 Standard Microbiology Program, and participated in Colorado State Certification 2400 (in SPC, Coliform, and DMSCC/ESCC).
  - Lead in research studies for additional rapid microbial contamination testing using ATP instrumentation and colorimetric methods, as well as additional research studies on pathogenic resilience in yogurt and coffee creamer products.
  - Other experience includes media and dilution preparation, gram staining, UV/Visible Spectrophotometer, centrifugation, Fossomatic Minor 90 (electronic somatic cell count), pH testing, specific gravity, CEM Smart 5 (measurement of moisture, fat, and solids).
  - Trained in additional ATP instrumentation (3M, Celsis, and Biomeriux Bac-T Alert), sterilization and disposal of biohazardous waste (autoclave), complying with Chemical Hygiene Plan and Lab Safety, and maintaining master sanitation schedule.
  - Experience writing the Microbiology Department Weekly Report, data entry and sending final reports, tracking and maintaining testing frequency, writing and developing laboratory standard operating procedures, product receiving through SAP, and sensory of dairy, soy, almond, yogurt, and fruit drink products.

**Honors & Affiliations:**

**Travel to WhiteWave Foods Co. Plant Facility, Cedar City, Utah,** December 2009, *observed and trained employees on Neogen allergen testing.*

**Member of Laboratory Safety Committee,** WhiteWave Foods Co., *quarterly meeting to discuss, review, and update current laboratory issues with regards to safety and protocols.*

**Earth's Favorite Scientist Award,** WhiteWave Foods Co., April 2008, *quarterly award voted on by peers to an employee signifying excellence in scientific testing, environmental awareness, teamwork, and communication, as well as displaying great organizational and personal skills.*

**Happy Cow Award,** WhiteWave Foods Co., November 2008, *award presented by VP of Operations Department to the QA Laboratory Team for reducing waste and shipping costs in 2008.*

**Dean's List,** Regis University, Fall 2005.

**Regis Achievement Award,** 2002-06.

**Undergraduate Course Work:**

Microbiology and Lab, Principles of Genetics and Lab, Ecology and Lab, Evolution, Mammalogy and Lab, Colorado Natural History and Lab, Organismic Biology and Lab, Cellular and Molecular Biology and Lab, Seminar in Biology, Inorganic Chemistry and Lab, Organic Chemistry 1, 2, and Labs, Principles of Chemistry and Lab, General Physics 1, 2, and Labs, and Statistics.

**Undergraduate Research Experience:**

Microbiology Course, Independent Research, Biology Department, Regis University, spring 2005. *Observed, kept daily logs, and analyzed the inhibition of oral flora gram positive Staphylococcus bacteria by Scope® and Insite Swiss® Mouthwash using the Kirby-Bauer method.*

**Scholarships:**

**AmeriCorps National Service Scholarship,** 2002-06.

**Community-Based Work Study Scholarship,** 2002-06.

**Wells Fargo Endowed Scholarship,** 2004-05.

**Work Experience:**

**Lifeguard, Manager On Duty,** City of Lakewood, March 2007-January 2008.

**Pool Manager,** Applewood Knolls Swim and Tennis Club (AKST), Wheat Ridge, CO, summer 2006, 2007.

**Volunteer Masters Swim Coach,** AKST, summer 2006-present.

**Applewood Knolls Swim Team Coach,** winter and summer 2005-present.

**Emergency Department Volunteer,** Exempla Lutheran Medical Center, Wheat Ridge, CO, February 2005-April 2006. *Assisted the professional staff with patient triage, transport, and administering cardiac monitors and oxygen, as well as with non-professional duties such as stocking exam rooms. Practiced Joint Commission on Accreditation of Healthcare Organizations (JCAHO) standards and abided by the Health Insurance Portability and Accountability Act (HIPAA) Privacy Rule.*

**Lifeguard and Swim Instructor,** 2001-05.

**Computer Skills:**

Skilled in Microsoft Office, Microsoft Access (database), Infinity QS ProFicient (SPC software), SPC for Excel, and Lotus Notes.

**References:**

Available upon request.