



**62nd Annual Meeting**  
**November 13–17, 2013**  
Marriott Wardman Park  
Washington, DC

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**Control/Tracking Number:** 13-LB-3250-ASTMH

**Activity:** Late Breaker Abstract

**Current Date/Time:** 8/12/2013 8:01:48 PM

**Isolation, phenotypic characterization and antimicrobial susceptibility analysis of Salmonella spp., in samples of fresh handmade cheese sold in the department of Córdoba-Colombia**

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**Abstract:**

**Objective:** To isolate, phenotypically characterize and determine the antimicrobial susceptibility of Salmonella spp., In 1080 samples of fresh artisan cheeses sold in 120 outlets registered with the State Health Authority (DASALUD). **Materials and methods:** This study corresponded to an observation exploratory and descriptive transversal held in the 28 municipalities of the department of Córdoba, during the months of August to December 2012, were isolated and phenotypically characterized strains of Salmonella spp. according FDA methodology 2003 and antibiotic susceptibility confirmation isolates was conducted by Micro Scam. **Results:** In the 1080 samples had 5 isolates of Salmonella spp., Which were resistant to antibiotics such as amikacin, cefazolin, cefotaxime / clavulanic acid, Cefoxitin, Ceftazidime / clavulanate, gentamicin and tobramycin. **Conclusion:** Microbiological contamination by Salmonella species and the degree of resistance to antibiotics used in antimicrobial therapy for this ETA-producing pathogenic bacteria, which have the cheese consumed in the department of Córdoba, provide important information to agencies Public Health for monitoring and proper treatment of these circulating strains, as well as promoting health and educational campaigns on production, conservation and marketing of cheese, which is important to minimize the morbidity and mortality associated with this food product.

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**Category (Complete):** Basic Science/Molecular Biology - Water, Sanitation and Hygiene

**Presentation Preference (Complete):** Poster

**Keyword (Complete):** antimicrobial resistance ; coastal cheese ; Salmonella spp.

**Disclosures (Complete):**

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