

TRANSLATION SERVICE – Translation prepared by Argemiro Arboleda Arboleda  
A Registered Translator Certified by the Colombian Ministry of Justice  
Code 059806 (Colombian Ministry of Foreign Affairs)  
Tel.: 3113698552 – 3178398742  
Cali – Colombia, South America

Santiago de Cali, January 16, 2018


TO WHOM IT MAY CONCERN

Dear Sir/Madam:

I herein certify that I have been certified by the Colombian Ministry of Justice as an English/Spanish-English translator and Interpreter, by virtue of Resolution No. 1787 of 1990, which under the Colombian legislation has a permanent validity.

That the attached document is an accurate translation of the original article in Spanish, "Mutaciones puntuales del gen 23S rRNA de *Helicobacter pylori* resistente a claritromicina en dos poblaciones de Colombia"

In witness thereof, I hereunto set my hand to and affix my official seal, this sixteenth day of January, twenty eighteen.

  
**Argemiro Arboleda Arboleda**  
Traductor e intérprete Oficial  
de Inglés-Español, Español-Inglés  
Resol. Minjusticia No. 1787/90  
ARGEMIRO ARBOLEDA ARBOLEDA  
Certified Translator and Interpreter