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Search	Assessment of Helicobacter pylori Viability by Flow Cytometry
	A Sarafnejad, F Siavoshi, R Safaralizadeh, S Masarat, F Khosravi, R Malekzadeh, B Nikbin, AR Salehi-Nodeh
About this Journal	Abstract:
🔏 Instruction to Authors	Background: Flow cytometry is a rapid, sensitive, and reliable method for determination of bacterial viability. Here we
🧿 Online Submission	assayed the capability of flow cytometry to detect Helicobacter pylori viable cells in both forms of spiral and coccoid.
🕒 Subscription	Methods: Viable bacteria stained with Rhodamin 123 and fluoresced with laser beam of 488nm. The rate of Rh123
Contact Us	absorption was determined in both forms of bacteria. Results: In positive control that consisted of live bacteria, the rate of rh123 absorption was at highest, but negative control that consisted of dead bacteria, the rate of Rh 123 absorption was at lowest absorption. This method showed that non-culturable coccoid forms of H. pylori, which could resist environmental stresses, were alive and might be responsible for bacterial transmission and failure in disease treatment. Conclusion: Due to simplicity, reliability, and sensitivity of flow cytometry, this method is preferred to other expensive and no reliable methods such as autoradiography, PCR and Electron microscopy used for assessment viability.
	Keywords:
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