



MicroVue™ Bone

Technical Bulletin

ELISA Wash Technique

The MicroVue Bone Health ELISA kits are designed to provide laboratories with precise bone marker analysis for clinical or experimental specimens as a result of careful and accurate assay technique in each step of every ELISA. Each ELISA requires one or more wash steps, in which the microassay plate or coated strips are thoroughly washed with a wash buffer, according to the appropriate assay protocol. The technique utilized in the wash steps is a critical factor in the overall performance and accuracy of the ELISA being performed.

Quidel strongly recommends the use of an automated plate washer or wash bottle equipped with a pump and an 8-channel head to perform the wash steps in each assay. Use of a single or multichannel pipette as a wash device is strongly discouraged. During ELISA testing performed at Quidel, it has been observed that when washing is performed with a single or multichannel pipette, erroneous and inaccurate results with high CV values are produced. This is caused by a lack of pressure produced by the device. A more forceful wash is required to ensure thorough removal of any non-specific binding that may have occurred during the course of the assay.

An automated plate washer or wash bottle, as previously mentioned, are two devices that do produce enough pressure to wash with adequate force when used correctly.

A video of the microassay plate/coated strip wash procedure using a wash bottle equipped with a hand pump and 8-channel head is available from Quidel Technical Support upon request. Please refer to the appropriate Package Insert for specific information on proper washing procedure for each assay.

Cat. #s for Diagnostic Use: 8007, 8010, 8012, 8043, 8044, 8046

Cat. #s for Research Use Only: 8002, 8003, 8009, 8019, 8020, 8022, 8032, 8033, 8034

Please contact Quidel Technical Support at 800.874.1517 (in the U.S.), 858.552.1100 (outside the U.S.) or technicalsupport@quidel.com if you have any questions regarding MicroVue Bone Health ELISA kits, or any Quidel product. Our hours of operation are Monday through Friday, 8:00 a.m. to 5:00 p.m. Eastern Time.

You may also visit our website at quidel.com for information on Quidel's line of Rapid Diagnostics, Molecular Diagnostics, Cell Culture and Specialty Products (Bone Health and Autoimmune & Complement). Other product information available on our website includes: CPT codes, CLSI procedure guides, MSDS, and Package Inserts.