



DIVISION OF
CORPORATION FINANCE

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

Mail Stop 3030

July 28, 2009

David Schlotterbeck
Chairman and Chief Executive Officer
CareFusion Corporation
3750 Torrey View Court
San Diego, California 91230

**Re: CareFusion Corporation
Registration Statement on Form 10
Filed March 31, 2009
File No. 001-34273**

Dear Mr. Schlotterbeck:

We have completed our review of your Form 10 and do not, at this time, have any further comments.

Sincerely,

Peggy Fisher
Assistant Director

cc (via fax): Erika Weinberg, Esq. — Weil, Gotshal & Manges LLP