## **Lapatinib Anticancer Drug in Human Plasma by LC-MS/MS**



Application #AN3360

**Conditions** 

Column: ACE 5 C18
Dimensions: 100 x 4.6 mm
Part Number: ACE-121-1046

Mobile Phase: 10 mM ammonium formate pH 3.5/MeCN (10:90 v/v)

Flow Rate: 1 mL/n Injection: 0.5 µL Temperature: 40 °C

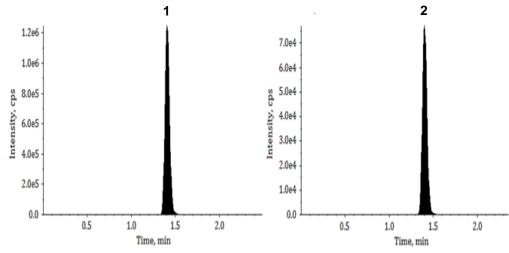
Detection: API 4000 triple quad MS

Positive ion mode ESI Ion spray voltage: 5500 V Temperature: 400 °C

Sample: Extracted from 100 µL plasma using liquid-liquid extraction

LLOQ 2.5 ng/mL LOD 1.0 ng/mL

Method Linearity 2.5 – 2500 ng/mL



1. Lapatinib (m/z 581.1 → 365.2) Concentration 1000 ng/mL

2. Lapatinib-d4 (IS)  $(m/z 585.1 \rightarrow 365.0)$  Concentration 100 ng/mL

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