KENDRICK LABORATORIES, INC
2-Dimensional Electrophoresis

1202 Ann St
Madison, WI 53713
Tel: 800-462-3417. 608-258-1565
Fax: 608-258-1569
Email: 2d@kendricklabs.com
Web: www.kendricklabs.com

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Dr. XXX XXXXX
XXXXX, Inc.
XXXX St
XXXXX, XX XXXX

Dear Dr. XXXXX:

Enclosed are three ECL films, two silver-stained gels, and one PVDF membrane obtained from 2D electrophoresis and western blotting of your in-house protein sample and commercial antibody. Also enclosed is a report detailing results of one HCP antibody analysis along with a CD containing a copy of the report, Excel data files and electronic images. A summary of coverage results is provided in Table 1. Gel loading and sample preparation are given in Table 2.

Film ID	Sample	Antibody Used	Percent Coverage	Figure Page #
LF762 #8	K12 MG1665 E coli	Cygnus Goat anti-E coli HCP	71% (993/1400)	p. 2-5

Table 1. Summary of Results of One Host Cell Protein Analysis.

Gel #	Sample	µl loaded	µg loaded	Treatment / Antibody
LF762 #8	K12 MG1665 E coli	100	250	Cygnus Goat anti-E coli HCP
LF762 #12	K12 MG1665 E coli	100	25	Silver
LF762 #13	K12 MG1665 E coli	100	25	Silver

Table 2. Key to 2D Gel Loading and Sample Preparation. Sample was lysed in 5 ml of SDS boiling buffer without reducing agents and 5 ml osmotic lysis buffer containing nucleases, protease inhibitors, and phosphatase inhibitors. The sample was sonicated for 5 minutes, heated in a boiling water bath for 5 minutes, and treated with omnicleave. The protein concentration of the sample (16.2 mg/ml) was then determined using the BCA Assay (Smith et. al. *Anal. Biochem. 150:* 76-85, 1985, and Pierce Chemical Co., Rockford, IL). Sample was diluted to 2.5 and 0.25 mg/ml in SDS boiling buffer diluted 1:1 in Urea sample buffer before loading.

Please call with any questions.

Sincerely,

Christina Rose
2D Gel Analyst