

Mucosal HIV and Immunobiology Center

GENETICALLY-DEFINED MICROBE AND EXPRESSION CORE SERVICE REQUEST

Account no.:

Investigator:

Department:

DDRDC Member: YES NO

Phone no.:

E-mail:

Services Offered by Viral Unit (contact John Kappes, kappesjc@uab.edu, 934-0051)

Description	Standard Rate*	DDRDC Rate*
1) Molecular construction of gene expression vector (preparation of DNA, restriction analysis of DNA, insertion of gene, confirmation of gene expression, large-scale [Maxi prep] production of DNA)	\$145.00	\$63.00
2) Validation of vector trans-gene expression (DNA transfection and confirmation of gene expression)	\$80.00	\$30.00
3) Packaging and cryopreservation of the virus vector stock (preparation of DNAs for packaging and Env constructs, transfection of mammalian cells, collection and preparation of culture supernatant [virus vector], cryostorage)	\$115.00	\$58.00
4) Concentration of the virus vector stock (large-scale transfection of mammalian cells, Collection and preparation of culture supernatant [virus vector], cryostorage)	\$165.00	\$80.00
5) Generation and titration of GFP-virions (preparation of DNA, large-scale transfection of mammalian cells, collection and preparation of culture supernatant [virus vector], cryostorage)	\$150.00	\$83.00
6) Generation of HIV-1 stocks (20 ml)	\$145.00	\$73.00
7) Infectivity titration of HIV-1 stocks	\$90.00	\$45.00
8) Production of a stable gene-expressing cell line (packaging of vector DNA, transduction of mammalian cells, selection)	\$275.00	\$138.00
9) Production of a clonal gene-expressing cell line (packaging of vector DNA, transduction of mammalian cells, selection, limiting dilution cloning, expansion of [-25] clones)	\$325.00	\$163.00
10) Production of a shRNA-expressing cell line	\$275.00	\$138.00
11) Confirmation of gene-expression cell line (analysis of cell line for trans gene expression by FACS or immunofluorescence, etc)	\$75.00	\$38.00

Services Offered by Bacterial Unit (contact Charles O. Elson, coelson@uab.edu, 934-6060)

1) Analysis of bacterial flora via 16S ribosomal DNA for validation of monoclonization or germ-free status PCR and agarose gel	\$75.00	\$38.00
2) Collection, 16s RNA characterization and cryopreservation of bacteria	\$300.00	\$150.00
3) Cloning of genes for bacterial expression (PCR, cloning, screening, sequencing)	\$500.00	\$250.00
4) Expression and provision of bacterial protein relevant to inflammatory bowel disease		



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per protein	\$1,000.00	\$500.00
5) Quantitation of microbial groups, for up to 25 samples, by quantitative PCR	\$100.00	\$50.00
6) Printing antigen microarrays, per slide	\$25.00	\$13.00

*The costs indicated are those calculated based on the total cost of necessary supplies and reagents and do not consider available supply cost in the Core 1 budget, or chargebacks for core services.

