Submitter’s Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Submitter’s Institution (Hospital or Laboratory) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Submitter’s E-mail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Submitter’s Phone Number\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Test(s) Requested (See options below**):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Specimen Type(s)**

\_\_\_Bacterial Isolate \_\_\_Environmental Specimens (Please specify)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_Animal Feces \_\_Animal Rectal Swab \_\_\_Other Animal Specimen (Please specify)\_\_\_\_\_\_\_\_\_\_

**Patient MRN or Name/Lab ID** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- | --- |
| For Veterinarians/Veterinary Hospitals | | |
| Test | Purpose/Description | Price |
| CR1:  Animal Culture | For screening of patients (feces, rectal swab or other clinical specimen). Reported as positive or “not isolated” and includes phenotypic testing (mCIM) for isolates. Additional characterization of isolates (ID, AST, PCR) available at additional cost. Limit of detection is approximately 1500 CFU/swab. Turn around time: 24-28 hours | $13.00 |
| CR2:  Animal PCR | Multiplex PCR for NDM, KPC, Oxa-48, VIM and IMP genes. Recommended submission of whole fecal specimen; rectal swabs require special handling (contact laboratory). Limit of detection is approximately 75 CFU/swab. Culture confirmation of positive specimens provided at no additional cost. Turn around time: <24 hrs | $51.00 |
| CR3:  Environmental Culture | For screening of environmental surfaces (sterile swiffer pad preferred; sterile gauze or swabs may be acceptable). Reported as positive or “not isolated” and includes phenotypic testing (mCIM) for isolates. Additional characterization of isolates (ID, AST, PCR) available at additional cost. Limit of detection has not been established for this test. Turn around time: 48-72 hours | $13.00 |
| For Laboratories | | |
| LC1:  PCR Confirmation | For genotypic confirmation of carbapenemase genes (NDM, KPC, OXA-48, VIM and IMP). | $37.00 |
| LC2:  Phenotypic Confirmation | Modified carbapenem inactivation method is performed on submitted isolates to demonstrate production of a carbapenemase enzyme. Turn around time (48-72 hours) | $5.00 |
| LC3:  Whole Genome Sequencing | Isolate is submitted to a reference laboratory for short read Illumina sequencing and uploaded to the NCBI pathogen detection pipeline for analysis. A link to analyzed data will be provided to the submitting laboratory. Turn around time: Variable | $100.00 |

Prices are “at cost” to cover supplies and technical staff. Consultation with Dr. Cole is free of charge. Supplies for all tests can be supplied upon request for an additional $15.00 fee to cover shipping. Please send all isolates and specimens to the following address while following all state and federal regulations; shipping labels provided upon request for an extra $15.00 charge. An account will be established upon receipt of first specimen and billed upon completion.

ATTN: Dr. Stephen Cole

3900 Delancey St, Rm 4106

Philadelphia, PA,19104

USDA import permit can be requested by emailing [scole@vet.upenn.edu](mailto:scole@vet.upenn.edu)

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