### DIAGNOSTIC IMMUNOLOGY

- HIV – Ext. 2407
  - Serodiagnosis and confirmation of HIV 1/2.
- Serology – Ext. 2405
  - Serodiagnosis of Hepatitis A, B & C;
  - Rubella immunity status testing;
  - Syphilis screening and confirmation;
  - NAAT detection of Chlamydia trachomatis and Neisseria gonorrhoeae.

### MICROBIOLOGY

- Bacteriology – Ext. 2403
  - Identification of referred isolated cultures;
  - Culture and NAAT for Bordetella pertussis;
  - Serotyping of Neisseria meningitidis, Haemophilus influenzae, Salmonella, Shigella, Streptococcus pneumoniae and E. coli;
  - Identification of Neisseria gonorrhoeae cultures;
  - Stool cultures for Salmonella, Shigella, Campylobacter, E. coli O157:H7, etc.

- Mycobacteriology (TB) – Ext. 2621
  - Identification of referred isolated cultures;
  - Isolation and identification of mycobacterium from sputum, bronchial washings, gastric washings, urine, tissue, CSF, wound aspirate, etc.;
  - Rapid liquid culture methods;
  - Rapid Identification (NAAT, DNA probes).

- Parasitology – Ext. 2602
  - Detection and identification of intestinal parasites (protozoa, helmhinct, etc.) and adult worms (Ascaris, pinworm, etc.).

- Rabies – Ext. 2611
  - Diagnostic testing for the presence of the Rabies virus in animals (mammals).

- Molecular – Ext. 2602
  - PCR detection of Influenza and other respiratory viruses.
  - Testing of stool specimens for the presence of Norovirus RNA.
  - Whole genome sequencing of foodborne pathogens.
  - Resistance mechanism testing for carbapenemases.

- Arbovirus – Ext. 2403
  - Detection of WNV, SLE, LAC, and Zika viruses in mosquitoes.

- Newborn Screening – Ext. 2501
  All infants in WV are screened for disorders of amino acid metabolism, congenital hypothyroidism (CH), congenital adrenal hyperplasia (CAH), galactosemia, biotinidase deficiency, cystic fibrosis, hemoglobinopathies, fatty acid oxidation (FAO), severe combined immunodisorder (SCID), spinal muscular atrophy (SMA), and organic acid (OA) disorders. Follow-up is provided by Office of Maternal, Child and Family Health and by health care providers in coordination with medical specialists.

### ENVIRONMENTAL MICROBIOLOGY – Ext. 2710

- Bacteriological screening of drinking water (total coliform / E. coli) for local health departments (LHDs), public water systems, individuals and the Office of Environmental Health Services (OEHS);
- Bacteriological screening of recreational waters and bottled water.

Barbanel District Environmental Laboratory
1948 Wilshire Road, Suite #7/Keameysville, WV 25430
304-725-5832
- Bacteriological screening of drinking water.

### ENVIRONMENTAL CHEMISTRY

4710 Chimney Drive Suite G/Charleston, WV 25302
304-965-2694 extension 2222
- Private well and public water chemical testing for individuals, health departments and Office of Environmental Health Services;
- Public water supply testing for compliance monitoring of regulated chemical contaminants;
- Fluoride analysis for public supplies and for pediatric dental program;
- Water sample mailing kits available on request by phone, fax (304-965-2696) or mail.

### ENVIRONMENTAL LABORATORY CERTIFICATION

- Certification of LHD’s, water plants and commercial labs that perform work under the Safe Drinking Water Act.

- Microbiology – Ext. 2710 or Chemistry – 304-965-2694

### REGULATORY AND COMPLIANCE

- Training & Evaluation – Ext. 2106
  - Clinical laboratory workshops/correspondence courses/audio-visual materials;
  - HIV testing laboratory approval;
  - Syphilis serology testing laboratory approval.

- Clinical Laboratory License – Ext. 2105
  - Processing of clinical laboratory practitioner’s licenses.

### CLINICAL AND ENVIRONMENTAL SERVICES

Specimen kits are available, by written requisition (mail or fax), for most testing at OLS.

### ENVIRONMENTAL MICROBIOLOGY MANAGER
304-965-2694 ext 2222
- Ext. 2711
  - Bacteriological screening of drinking water.

### ENVIRONMENTAL CHEMISTRY MANAGER
304-965-2694 ext 2222
- Ext. 2222
  - Fluoride analysis for public supplies and for pediatric dental program.

### NEWBORN SCREENING – Ext. 2501

All infants in WV are screened for disorders of amino acid metabolism, congenital hypothyroidism (CH), congenital adrenal hyperplasia (CAH), galactosemia, biotinidase deficiency, cystic fibrosis, hemoglobinopathies, fatty acid oxidation (FAO), severe combined immunodisorder (SCID), spinal muscular atrophy (SMA), and organic acid (OA) disorders. Follow-up is provided by Office of Maternal, Child and Family Health and by health care providers in coordination with medical specialists.

### NEWBORN SCREENING SUPERVISOR
Ext. 2510

### BIOLOGICAL THREAT PREPAREDNESS MANAGER
304-965-2694 ext 2222
- Ext. 2391
  - Chemical terrorism agents/toxic industrial chemicals clinical and environmental sampling assistance;
  - Preliminary and confirmatory identification of chemical terrorism agents/toxic industrial chemicals in clinical and environmental samples;
  - Referral of specimens to appropriate LRN laboratories and/or CDC.

### THREAT-PREPAREDNESS RESPONSE

- Biological – Ext. 2301
  - Preliminary and confirmatory identification of Bioterrorism agents for clinical and environmental specimens;
  - Referral of specimens to appropriate LRN laboratories and/or CDC.

### CHEMICAL – 965-2694 Ext. 2226
4710 Chimney Drive, Suite G/Charleston, WV 25302
- Chemical terrorism agents/toxic industrial chemicals clinical and environmental sampling assistance;
- Preliminary and confirmatory identification of chemical terrorism agents/toxic industrial chemicals in clinical and environmental samples;
- Referral of specimens to appropriate LRN laboratories and/or CDC.

### REGULATORY/COMPLIANCE SERVICES ext 2106
- Ext. 2106
  - Processing of clinical laboratory practitioner’s licenses.

### LABORATORY SUPPORT SUPERVISOR ext 2140

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<tr>
<th>Position</th>
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<tbody>
<tr>
<td>Laboratory Director</td>
<td>ext 2107</td>
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<tr>
<td>Associate Director – Clinical Services</td>
<td>ext 2110</td>
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<tr>
<td>Associate Director – Environmental Services</td>
<td>ext 2710</td>
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<tr>
<td>DUI Program Director</td>
<td>ext 2111</td>
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<td>Regulatory/Compliance Services</td>
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