



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Advanta Genetics, LLC
10935 CR 159
Tyler, Texas 75703
U.S.A.

Fulfills the requirements of

ISO 15189:2022

In the field of

MEDICAL AND CLINICAL LABORATORIES

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to be 'Jason Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 21 April 2027

Certificate Number: AM-3380



This medical laboratory is accredited in accordance with the recognized International Standard ISO 15189:2022.
This accreditation demonstrates technical competence for a defined scope and the operation of a medical laboratory
quality management system ([refer to joint IAF-ILAC-ISO Communiqué dated November 2021](#)).

SCOPE OF ACCREDITATION TO ISO 15189:2022

Advanta Genetics, LLC

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Tyler, Texas 75703
U.S.A.

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MEDICAL/CLINICAL TESTING

ISO 15189:2022 Accreditation Granted: **21 April 2025**

Certificate Number: **AM-3380** Certificate Expiry Date: **21 April 2027**

Anatomic Pathology / Pathology

Sub-Specialty	Panel	Specific Targets	Technique	Matrix	Equipment
Molecular	Covid and Flu PCR Panel	Influenza A Virus Influenza B Virus Sars Cov-2	PCR	Nasopharyngeal Swab, Oropharyngeal Swab	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II
Molecular	Covid Plus PCR Panel	Human Respiratory Syncytial Viruses Influenza A Virus Influenza B Virus Mycoplasma Pneumoniae Sars Cov-2 Streptococcus Pneumoniae	PCR	Nasopharyngeal Swab, Oropharyngeal Swab	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II
Molecular	Covid, Strep, and Flu PCR Panel	Influenza A virus Influenza B virus Legionella species SARS CoV-2 Streptococcus agalactiae (GBS) Streptococcus pneumoniae Streptococcus pyogenes (GAS)	PCR	Nasopharyngeal Swab, Oropharyngeal Swab	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II

Anatomic Pathology / Pathology

Sub-Specialty	Panel	Specific Targets	Technique	Matrix	Equipment
Molecular	ENT PCR Panel	Acinetobacter baumannii Aeromonas species Alloiococcus otitis Aspergillus species Bacteroides fragilis Beta Lactamase Resistance (CTX-M-Grp1) Beta Lactamase Resistance (IMP) Beta Lactamase Resistance (VIM) Candida albicans Candida auris Candida glabrata Candida parapsilosis Candida tropicalis Carbapenem Resistance (KPC) Carbapenem Resistance (NDM) Carbapenem Resistance (OXA-48) Citrobacter species Corynebacterium amycolatum Corynebacterium urealyticum Cutibacterium acnes Enterobacter cloacae Enterococcus faecalis Enterococcus faecium Escherichia coli Haemophilus influenzae Klebsiella aerogenes Klebsiella oxytoca Klebsiella pneumoniae Moraxella catarrhalis Moraxella lacunata Peptostreptococcus species Prevotella bivia Pseudomonas aeruginosa Serratia marcescens Staphylococcus aureus Staphylococcus epidermidis Staphylococcus haemolyticus Staphylococcus lugdunensis Staphylococcus saprophyticus Stenotrophomonas maltophilia Streptococcus agalactiae Streptococcus pneumoniae	PCR	Nasopharyngeal Swab, Oropharyngeal Swab	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II

Anatomic Pathology / Pathology

Sub-Specialty	Panel	Specific Targets	Technique	Matrix	Equipment
Molecular	ENT PCR Panel (continued)	Streptococcus pyogenes Vancomycin Resistance (VanA) Vancomycin Resistance (VanB) Vibrio species	PCR	Nasopharyngeal Swab, Oropharyngeal Swab	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II
Molecular	GCT PCR Panel	Chlamydia trachomatis Neisseria gonorrhoeae Trichomonas vaginalis	PCR	Urine, Vaginal Swab, Urethral Swab	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II
Molecular	GI PCR Panel	Ancylostoma duodenale Campylobacter species Carbapenem Resistance (NDM) Clostridioides difficile Cryptosporidium species EHEC Escherichia coli EIEC Escherichia coli Entamoeba histolytica Enterobius vermicularis Fluoroquinolone Resistance (qnrAS) Giardia lamblia Helicobacter pylori Human adenovirus (B, C) Human astrovirus Necator americanus Norovirus G1 Norovirus G2 Rotavirus A Rotavirus B Salmonella species Sapovirus Shigella species Trimethoprim Resistance (DfrA1) Vancomycin-resistant enterococci (VRE) Yersinia enterocolitica	PCR	Stool, Stool Swab, Rectal Swab	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II

Anatomic Pathology / Pathology

Sub-Specialty	Panel	Specific Targets	Technique	Matrix	Equipment
Molecular	Nail PCR Panel	<p>Acinetobacter baumannii Actinotignum schaalii Aerococcus urinea Aminoglycoside (ant-1a) Aminoglycoside (aph3) Bacteroides fragilis Beta Lactamase (CTX-M-Grp1) Beta Lactamase (SHV) Beta Lactamase (TEM) Candida albicans Candida auris Candida glabrata Candida parapsilosis Candida tropicalis Carbapenem (KPC) Carbapenem (NDM) Carbapenem (OXA) Citrobacter freundii/braakii/koseri Enterobacter cloacae Enterococcus faecalis Enterococcus faecium Epidermophyton floccosum Escherichia coli Fluoroquinolone Resistance (gyrA) Fluoroquinolone Resistance (qnr) Klebsiella aerogenes Klebsiella oxytoca Klebsiella pneumoniae Methicillin Resistance (MecA) Morganella morganii Prevotella bivia Proteus mirabilis Proteus vulgaris Pseudomonas aeruginosa Serratia marcescens Staphylococcus aureus Staphylococcus Haemolyticus Staphylococcus saprophyticus Streptococcus agalactiae Streptococcus pyogenes Sulfonamide (Sul1)</p>	PCR	Nail	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II

Anatomic Pathology / Pathology

Sub-Specialty	Panel	Specific Targets	Technique	Matrix	Equipment
Molecular	Nail PCR Panel (continued)	Tetracycline (tetB) Tetracycline (tetM) Trichophyton rubrum Trimethoprim Resistance (DfrA1) Vancomycin (VanA) Vancomycin (VanB) Vancomycin Resistance (VanM)	PCR	Nail	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II
Molecular	Respiratory PCR Panel	Aminoglycoside (ant-1a) Aminoglycoside (aph3) Beta Lactamase (CTX-M-Grp1) Beta Lactamase (SHV) Beta Lactamase (TEM) Bordetella parapertussis Bordetella pertussis/holmesii Carbapenem (KPC) Carbapenem (NDM) Carbapenem (OXA) Chlamydomphila pneumoniae Enterovirus - A71/Rhinovirus Enterovirus - D68 Fluoroquinolone Resistance (gyrA) Fluoroquinolone Resistance (qnr) Haemophilus influenzae Haemophilus influenzae B Human adenovirus Human bocavirus Human coronavirus 229E Human coronavirus HKU1 Human coronavirus NL63 Human coronavirus OC43 Human gammaherpesvirus 4 (Epstein-Barr, Mono) Human metapneumoviruses Human parainfluenza 1 virus Human parainfluenza 2 virus Human parainfluenza 3 virus Human parainfluenza 4 virus Human parechovirus Human respiratory syncytial viruses	PCR	Nasopharyngeal Swab, Oropharyngeal Swab	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II

Anatomic Pathology / Pathology

Sub-Specialty	Panel	Specific Targets	Technique	Matrix	Equipment
Molecular	Respiratory PCR Panel (continued)	Influenza A virus Influenza A virus H1N1 swl Influenza B virus Klebsiella pneumoniae Legionella species Methicillin Resistance (MecA) Moraxella catarrhalis Mycoplasma pneumoniae Salmonella typhi/paratyphi SARS CoV-2 Staphylococcus aureus Streptococcus agalactiae (GBS) Streptococcus pneumoniae Streptococcus pyogenes (GAS) Sulfonamide (Sul1) Tetracycline (tetB) Tetracycline (tetM) Trimethoprim Resistance (DfrA1) Vancomycin Resistance (VanA/VanB) Vancomycin Resistance (VanM)	PCR	Nasopharyngeal Swab, Oropharyngeal Swab	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II
Molecular	SARS Covid-19 PCR Panel	SARS CoV-2	PCR	Nasopharyngeal Swab, Oropharyngeal Swab	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II
Molecular	STI High Risk PCR Panel	Aminoglycoside (ant-1a) Aminoglycoside (aph3) Atopobium vaginae Bacterial Vaginosis-Associated Bacterium 1 Bacterial Vaginosis-Associated Bacterium 2 Bacterial Vaginosis-Associated Bacterium 3 Beta Lactamase (CTX-M-Grp1) Beta Lactamase (SHV) Beta Lactamase (TEM) Candida albicans Candida glabrata	PCR	Urine, Vaginal Swab, Urethral Swab	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II

Anatomic Pathology / Pathology

Sub-Specialty	Panel	Specific Targets	Technique	Matrix	Equipment
Molecular	STI High Risk PCR Panel (continued)	Carbapenem (KPC) Carbapenem (NDM) Carbapenem (OXA) Chlamydia trachomatis Enterococcus faecalis Enterococcus faecium Escherichia coli Fluoroquinolone (gyrA) Fluoroquinolone (qnr) Gardnerella vaginalis Haemophilus ducreyi Herpes Simplex Virus 1 and 2 Lactobacillus Megasphaera type I Megasphaera type II Methicillin (MecA) Mobiluncus curtisii Mobiluncus mulieris Mycoplasma genitalium Neisseria gonorrhoeae Streptococcus agalactiae Sulfonamide (Sul1) Tetracycline (tetB) Tetracycline (tetM) Treponema Pallidum Trichomonas vaginalis Ureaplasma urealyticum/parvum Vancomycin (VanA) Vancomycin (VanB) Vancomycin (VanM)	PCR	Urine, Vaginal Swab, Urethral Swab	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II
Molecular	UTI PCR Panel	Acinetobacter baumannii Actinotignum schaalii Aerococcus urinea Aminoglycoside (ant-1a) Aminoglycoside (aph3) Bacteroides fragilis Beta Lactamase (CTX-M-Grp1) Beta Lactamase (SHV) Beta Lactamase (TEM)	PCR	Urine, Vaginal Swab, Urethral Swab, Diaper	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II



ANSI National Accreditation Board

Anatomic Pathology / Pathology

Sub-Specialty	Panel	Specific Targets	Technique	Matrix	Equipment
Molecular	UTI PCR Panel (continued)	Candida albicans Candida auris Candida glabrata Candida parapsilosis Candida tropicalis Carbapenem (KPC) Carbapenem (NDM) Carbapenem (OXA) Citrobacter freundii/braakii/koseri Enterobacter cloacae Enterococcus faecalis Enterococcus faecium Epidermophyton floccosum Escherichia coli Fluoroquinolone Resistance (gyrA) Fluoroquinolone Resistance (qnr) Klebsiella aerogenes Klebsiella oxytoca Klebsiella pneumoniae Methicillin Resistance (MecA) Morganella morganii Prevotella bivia Proteus mirabilis Proteus vulgaris Pseudomonas aeruginosa Serratia marcescens Staphylococcus aureus Staphylococcus Haemolyticus Staphylococcus saprophyticus Streptococcus agalactiae Streptococcus pyogenes Sulfonamide (Sul1) Tetracycline (tetB) Tetracycline (tetM) Trichophyton rubrum Trimethoprim Resistance (DfrA1) Vancomycin (VanA) Vancomycin (VanB) Vancomycin Resistance (VanM)	PCR	Urine, Vaginal Swab, Urethral Swab, Diaper	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II

Anatomic Pathology / Pathology

Sub-Specialty	Panel	Specific Targets	Technique	Matrix	Equipment
Molecular	Wound PCR Panel	<p>Acinetobacter baumannii Actinotignum schaalii Aerococcus urinea Aminoglycoside (ant-1a) Aminoglycoside (aph3) Bacteroides fragilis Beta Lactamase (CTX-M-Grp1) Beta Lactamase (SHV) Beta Lactamase (TEM) Candida albicans Candida auris Candida glabrata Candida parapsilosis Candida tropicalis Carbapenem (KPC) Carbapenem (NDM) Carbapenem (OXA) Citrobacter freundii/braakii/koseri Enterobacter cloacae Enterococcus faecalis Enterococcus faecium Epidermophyton floccosum Escherichia coli Fluoroquinolone Resistance (gyrA) Fluoroquinolone Resistance (qnr) Klebsiella aerogenes Klebsiella oxytoca Klebsiella pneumoniae Methicillin Resistance (MecA) Morganella morganii Prevotella bivia Proteus mirabilis Proteus vulgaris Pseudomonas aeruginosa Serratia marcescens Staphylococcus aureus Staphylococcus Haemolyticus Staphylococcus saprophyticus Streptococcus agalactiae Streptococcus pyogenes Sulfonamide (Sul1)</p>	PCR	Wound Swab	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II

Anatomic Pathology / Pathology

Sub-Specialty	Panel	Specific Targets	Technique	Matrix	Equipment
Molecular	Wound PCR Panel (continued)	Tetracycline (tetB) Tetracycline (tetM) Trichophyton rubrum Trimethoprim Resistance (DfrA1) Vancomycin (VanA) Vancomycin (VanB) Vancomycin Resistance (VanM)	PCR	Wound Swab	MagNA Pure 96, Eppendorf Mastercycler Pro, LightCycler 480II

Toxicology

Sub-Specialty	Panel	Specific Targets	Technique	Matrix	Equipment
Clinical Toxicology	THC	THC-COOH	LC-MS/MS	Urine	Sciex API 4000
Clinical Toxicology	D&L	D-Amphetamine [R] D-Methamphetamine [R] L-Amphetamine [L] L-Methamphetamine [L]	LC-MS/MS	Urine	Sciex API 4000
Clinical Toxicology	P8	Amobarbital Butobarbital Butalbital Ethyl Glucuronide Ethyl Sulfate Pentobarbital Phenobarbital Secobarbital	UPLC-MS/MS	Urine	Waters Aquity Xevo TQD

Toxicology

Sub-Specialty	Panel	Specific Targets	Technique	Matrix	Equipment
Clinical Toxicology	P84	6 MAM 7-Aminoclonazepam 7-Aminoflunitrazepam Alpha-OH-Alprazolam Alpha-PVP Alprazolam Amitriptyline Amphetamine Benzoyllecgonine Buprenorphine Carisoprodol Clonazepam Clozapine Codeine Cyclobenzaprine Desipramine Dextromethorphan Dextrophan Diazepam Doxepin EDDP Fentanyl Flunitrazepam Fluoxetine Flurazepam Gabapentin Hydrocodone Hydromorphone Imipramine Ketamine Lorazepam MDA MDEA MDMA MDPV Meperidine Mephedrone Meprobamate Methadone Methamphetamine	UPLC-MS/MS	Urine	Waters Aquity Xevo TQD

Toxicology

Sub-Specialty	Panel	Specific Targets	Technique	Matrix	Equipment
Clinical Toxicology	P84 (continued)	Methylone Methylphenidate Mitragynine Morphine Naloxone Norbuprenorphine Nordiazepam Norfentanyl Norhydrocodone Norketamine Normeperidine Normorphine Noroxymorphone Nortriptyline O-desmethyl-cis-Tramadol Oxazepam Oxycodone Oxymorphone Phencyclidine Phentermine Pregabalin Risperidone Tapentadol Temazepam Tramadol Triazolam Zaleplon Zolpidem Zolpidem Phenyl-4 carboxylate	UPLC-MS/MS	Urine	Waters Aquity Xevo TQD

Toxicology

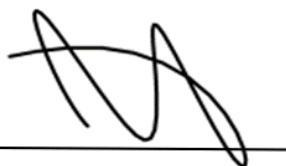
Sub-Specialty	Panel	Specific Targets	Technique	Matrix	Equipment
Clinical Toxicology	Oral Fluid P63	6 MAM 7-Aminoclonazepam Alpha-OH-Alprazolam Alprazolam Amitriptyline Amphetamine Benzoylcegonine Buprenorphine Carisoprodol Chlordiazepoxide Clonazepam Codeine Cotinine Cyclobenzaprine Desalkylflurazepam Desipramine Diazepam Dihydrocodeine Doxepin EDDP Fentanyl Fluoxetine Gabapentin Hydrocodone Hydromorphone Imipramine Ketamine Lorazepam MDA MDMA MDPV Meperidine Meprobamate Methadone Methamphetamine Methylphenidate Morphine Naloxone Naltrexone Nicotine Norbuprenorphine Nordiazepam	LC-MS/MS	Oral Fluid	Sciex API 4000

Toxicology

Sub-Specialty	Panel	Specific Targets	Technique	Matrix	Equipment
Clinical Toxicology	Oral Fluid P63 (continued)	Norfentanyl Norhydrocodone Norketamine Noroxycodone Noroxymorphone Nortriptyline O-desmethyl-cis-Tramadol Oxazepam Oxycodone Oxymorphone Paroxetine Phencyclidine Pregabalin Ritalinic Acid Tapentadol Temazepam THC-COOH Tramadol Venlafaxine Zaleplon Zolpidem Zopiclone	LC-MS/MS	Oral Fluid	Sciex API 4000

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AM-3380.



Jason Stine, Vice President