



# Biological Testing

Quality Assurance Testing Services

IMPACT™ • h-IMPACT™ • STAT-Myco™ • Sterility • CellCheck

Trust our industry-leading expertise for independent confirmation of quality, safety, and authenticity of your biological materials to advance your research with confidence. We provide an unparalleled breadth of biological testing services. A single sample is all that is required for a myriad of testing profiles including rodent and human viral pathogens, microbial and fungal contamination and cell line authentication using rigorously validated technologies and methodologies.

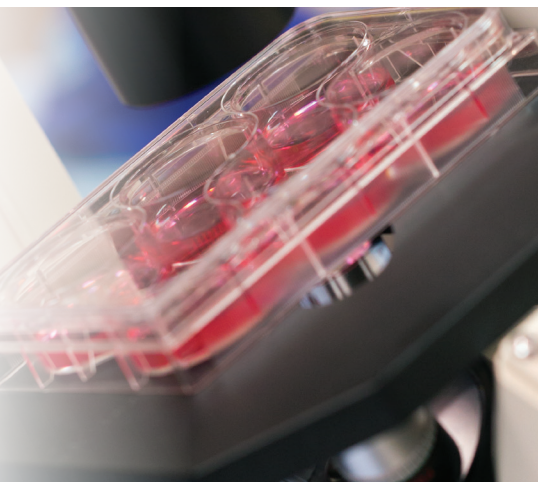
## IMPACT™

IMPACT™ and h-IMPACT™ detect the presence of infectious agents in biological specimens to protect your research, your researchers and your reputation.

- Detects most prevalent and concerning pathogens
- Also detects *Mycoplasma* spp. contamination
- Results in 5 days or less

## IMPACT™ Mouse Profiles

	IMPACT I	IMPACT II	IMPACT III	IMPACT IV	IMPACT SC (stem cell)
<i>Test Contents</i>					
<i>Mycoplasma</i> spp.	•	•	•	•	•
<i>Mycoplasma pulmonis</i>	•	•	•	•	•
Mouse hepatitis virus (MHV)	•	•	•	•	•
Minute virus of mice (MVM)	•	•	•	•	•
Mouse parvovirus (MPV1–5)	•	•	•	•	•
Theiler's murine encephalomyelitis virus (TMEV)	•	•	•	•	•
Sendai virus	•	•	•	•	
Pneumonia virus of mice (PVM)	•	•	•	•	
Murine norovirus (MNV)	•	•	•		
Reovirus 3 (REO3)	•	•	•		
Mouse rotavirus (EDIM)	•	•	•		
Ectromelia virus	•	•	•		
Lymphocytic choriomeningitis virus (LCMV)	•	•	•		
Polyomavirus	•	•	•		
Lactate dehydrogenase-elevating virus (LDV)	•	•	•		
Mouse adenovirus (MAV1, MAV2)	•	•			
Mouse cytomegalovirus	•	•			
K virus	•				
Mouse thymic virus (MTV)	•				
Hantaan virus	•				



## STAT-Myco™

The prevalence of *Mycoplasma* contamination in cell lines and cell culture is approximately 10 percent. Testing for this contaminant is important to ensure the quality of your research, to confirm the validity of your results, and to align with regulatory guidance for products derived from mammalian cell cultures.

STAT-Myco is a highly sensitive real-time PCR assay that detects as few as 1-10 organisms, detects species not detected by commercially available kits, and provides results in just 3 business days.

## IMPACT™ Rat Profiles

	IMPACT V	IMPACT VI
<i>Test Contents</i>		
<i>Mycoplasma</i> spp.	•	•
<i>Mycoplasma pulmonis</i>	•	•
Pneumonia virus of mice (PVM)	•	•
Kilham's rat virus	•	•
Toolan's H-1 virus	•	•
Rat parvovirus (RPV)	•	•
Rat minute virus (RMV)	•	•
Lymphocytic choriomeningitis virus (LCMV)	•	•
Rat cytomegalovirus	•	•
Sendai virus	•	•
Rat coronavirus (RCV)	•	•
Sialodacryoadenitis virus (SDAV)	•	•
Seoul virus	•	
Mouse adenovirus (MAV)	•	
Reovirus 3 (REO3)	•	
Rat theilovirus (RTV)	•	

## IMPACT™ Hamster Profile

	IMPACT VII
<i>Test Contents</i>	
<i>Mycoplasma</i> spp.	•
<i>Mycoplasma pulmonis</i>	•
Pneumonia virus of mice (PVM)	•
Kilham's rat virus	•
Toolan's H-1 virus	•
Hamster parvovirus	•
Minute virus of mice (MVM)	•
Lymphocytic choriomeningitis virus (LCMV)	•
Theiler's murine encephalomyelitis virus (TMEV)	•
Sendai virus	•
Reovirus 3 (REO3)	•
Hantaan virus	•

## IMPACT™ Comprehensive Murine Profile

	IMPACT VIII		
<i>Test Contents</i>			
<i>Mycoplasma</i> spp.	•	Mouse cytomegalovirus (MCMV)	•
<i>Mycoplasma pulmonis</i>	•	Lactate dehydrogenase-elevating virus (LDV)	•
Sendai virus	•	Mouse thymic virus (MTV)	•
Mouse hepatitis virus (MHV)	•	Hantaan virus	•
Pneumonia virus of mice (PVM)	•	Kilham's rat virus	•
Minute virus of mice (MVM)	•	Toolan's H-1 virus	•
Mouse parvovirus (MPV1-5)	•	Rat parvovirus (RPV)	•
Murine norovirus (MNV)	•	Rat cytomegalovirus (RCMV)	•
Reovirus 3 (REO3)	•	Rat coronavirus (RCV)	•
Mouse rotavirus (EDIM)	•	Rat minute virus (RMV)	•
Ectromelia virus	•	Rat theilovirus (RTV)	•
Lymphocytic choriomeningitis virus (LCMV)	•	Sialodacryoadenitis virus (SDAV)	•
Polyomavirus	•	Seoul virus	•
K virus	•	Theiler's murine encephalomyelitis virus (TMEV)	•
Mouse adenovirus (MAV1, MAV2)	•		
<i>Corynebacterium bovis</i>			

## Sterility Testing

Microbial contamination of cell culture is not a rare event. In fact, client samples tested during 2014 had a microbial contamination rate of bacteria and fungi, upwards of 15%.

Sterility testing detects a wide variety of aerobic and microaerophilic bacteria, yeasts, and fungi.

Our proprietary cultivation capabilities span hundreds of genera of bacteria and fungi, with three profile offerings that exceed the US CFR Section 21 requirements.

Microbial identification is also offered through the use of MALDI-TOF mass spectrometry state-of-the-art technology.

Three profiles are available. Visit [IDEXXBioAnalytics.com](http://IDEXXBioAnalytics.com) for more information.

For ordering information, call 1-800-544-5205, option #1  
or visit [idexxbioanalytics.com](http://idexxbioanalytics.com)



## h-IMPACT™ Human Profiles

	h-IMPACT™ I	h-IMPACT™ II	h-IMPACT™ III
Test Contents			
<i>Mycoplasma</i> spp.	•	•	•
Human immunodeficiency virus 1 (HIV1)	•	•	•
Human immunodeficiency virus 2 (HIV2)	•	•	•
Human T-lymphotropic virus 1 (HTLV1)	•	•	
Human T-lymphotropic virus 2 (HTLV2)	•	•	
Hepatitis virus A	•	•	•
Hepatitis virus B	•	•	•
Hepatitis virus C	•	•	•
Hantaviruses (Hantaan, Seoul, Sin Nombre viruses)	•		•
Herpes simplex 1	•		
Herpes simplex 2	•		
Human cytomegalovirus	•		
Human herpesvirus 6	•		
Human herpesvirus 8	•		
Human adenovirus	•		
Human papillomavirus 16 & 18 (HPV) <i>New!</i>	•		
Lymphocytic choriomeningitis virus	•		
Varicella virus	•		
Epstein-Barr virus	•		

### Discover ways to save more!

- A 5% discount is applied to each accession with 5 or more samples.
- A 10% discount is applied to each accession with 10 or more samples.
- Save 10% on your IMPACT/h-IMPACT panel by combining with CellCheck!

### CellCheck™

#### 18-36% of cell lines are contaminated by another cell line.

Cell Check™ is a comprehensive cell line authentication service that utilizes STR-based DNA profiling and multiplex PCR to detect BOTH contamination and misidentification. CellCheck provides comprehensive authentication in one easy step, for one low price. We'll establish a genetic profile, provide you with a comparative analysis utilizing databases of the five largest cell banks in the world, and we'll assist you in developing a contamination recovery plan, if needed.

CellCheck™ Profiles are available for Human, Mouse, Rat, Canine and other research species. Visit [idexxbioanalytics.com/cellcheck](http://idexxbioanalytics.com/cellcheck) for more information.

Contact your partner in discovery today for a complete listing of PCR tests, rodent diagnostic and genetic services or biological testing: 1-800-544-5205, option #1 • [idexxanalytics.com](http://idexxanalytics.com)

**IDEXX**

**BioAnalytics**