



European Society
for Clinical Virology



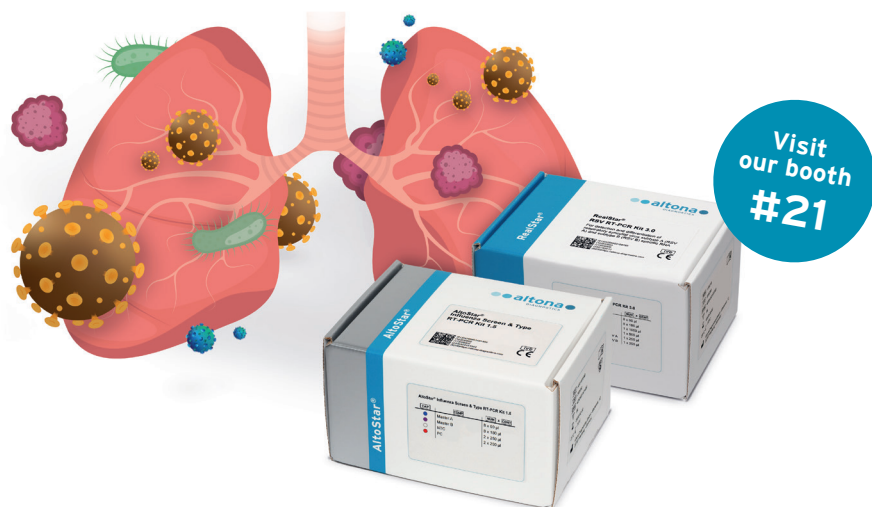
MILANO

25° ESCV 2023

30 AUGUST – 2 SEPTEMBER

FINAL PROGRAM

www.escv2023.org



Upper and lower respiratory tract infections

Reliable PCR detection of various pathogens

Broad assay portfolio as single or multiplex assay

Human Adenovirus, Enterovirus, RSV, SARS-CoV-2, human metapneumovirus (hMPV), influenza virus (type A, B and A (H1N1)pdm09), MERS-CoV, parainfluenza virus 1-4 (PIV), *Pneumocystis jirovecii*, *Bordetella* (*B. pertussis*, *B. parapertussis*, *B. holmesii*)

Flexible application

Manual or automated use with AltoStar® workflow
Can be used with various PCR cyclers
Ready-to-use reagents



Sistema Socio Sanitario



WELCOME TO 25° ESCV CONGRESS

Dear Colleagues and Friends,

On behalf of the Congress Organizing Committee of the European Society for Clinical Virology, I would like to invite all of you to the 25th Annual Meeting of the ESCV which will take place in Milano, Italy, 30 August - 2 September 2023.

The meeting, consisting of presentations, symposia, discussions, open sessions and workshops, will be an engaging experience for expert clinical virologists and young scientists attending the ESCV for the first time. Topics of the 25th ESCV Annual Meeting will be focused on the state of the art as well as the most recent discoveries and innovations in Clinical Virology and will include: respiratory viruses, gastrointestinal viruses, neurovirology, virus-associated tumors and immunocompromised hosts, hepatitis and HIV, viral infections in pregnancy, emerging and re-emerging viruses, immune response and vaccines, advancements in diagnostics and one health approach in preventing outbreaks, epidemics and pandemics. High scientific profile industry-sponsored workshops are also welcome.

The meeting will be held at MiCo Convention Center, one of Europe's largest convention centers based in Milano. Here, outstanding facilities and versatile exhibition areas welcome every event with the perfect ambience, with quick connections to the city public transportation network and international airports.

The city of Milano is the ideal frame for any kind of event thanks to its leading role as business and financial capital of the country, internationally recognized as one of the world's most important hubs for events, fashion, design, art and history. The Duomo, as well as the city's museums and art galleries, collect masterpieces of some of the most fascinating European art movements, while Teatro La Scala has welcomed celebrated composers and a variety of international performers and conductors. Milano is also home to the biggest names in the fashion industry, such as Valentino, Prada, Armani, Dolce & Gabbana, etc, and it is an important hub for designers.

Over the years, Milano has also opened the doors to the traditions of quite a few types of international cuisine, still preserving its long-standing local tradition of food, wine and the ritual aperitivo, thus offering to any kind of event the best welcome!

Looking forward to welcoming you in Milano in August 2023,

Fausto Baldanti
Congress President

Professor Pamela J. Valley
ESCV President

COMMITTEE

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Fausto Baldanti

Congress President
Department of Clinical,
Surgical, Diagnostic and
Pediatric Sciences University
of Pavia, Italy.
Microbiology and Virology
Dept., Fondazione IRCCS
Policlinico San Matteo, Pavia



WEDNESDAY AUGUST 30

PLENARY HALL

15.00-16.30	S1: One Health approach in preventing outbreaks, epidemics and pandemics
16.30-18.00	S2: Emerging and re-emerging viruses
18.00-19.00	Council Meeting ESCV
19.00-20.00	Welcome Ceremony Welcome Reception

THURSDAY AUGUST 31

PLENARY HALL ROOM 1 ROOM 2

	PLENARY HALL	ROOM 1	ROOM 2
8.00-9.00	WS - THERMO FISHER SCIENTIFIC		
9.00-10.30	S3: Viruses in immunocompromised patients/Virus-associated tumors		
10.30-11.00	Coffee break		
11.00-12.30	S4: Immune response to viral infections/vaccines		
12.30-14.30	Lunch		
13.00-14.00	WS - BIOMERIEUX	WS - IME SYMPOSIUM	WS - ABBOTT
14.30-16.00	S5: Hepatitis and HIV		
16.00-16.30	Coffee break		
16.30-17.30	S6: Clinical cases		
17.30-18.30		ENNGS Meeting	ENPEN Meeting
17.30-18.30	Poster Session 1		

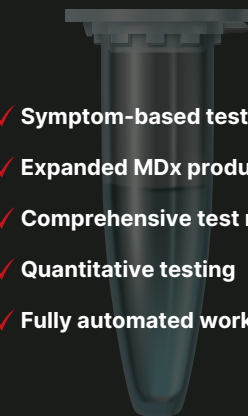
TIMETABLE

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- Tuberculosis
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- Gastrointestinal Infection
- Antimicrobial Resistance
- Meningitis
- Single Nucleotide Polymorphism
- Vector-borne Disease
- Urinary Tract Infection
- Streptococcal Infection
- Fungal Infection
- Monkeypox

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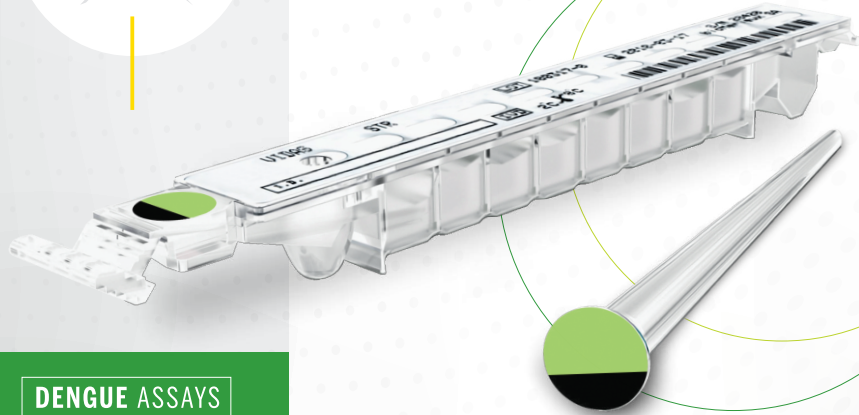
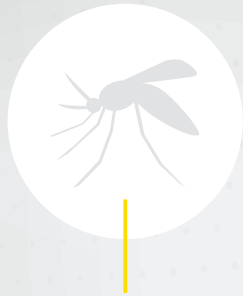
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PIONEERING DIAGNOSTICS

FRIDAY SEPTEMBER 1

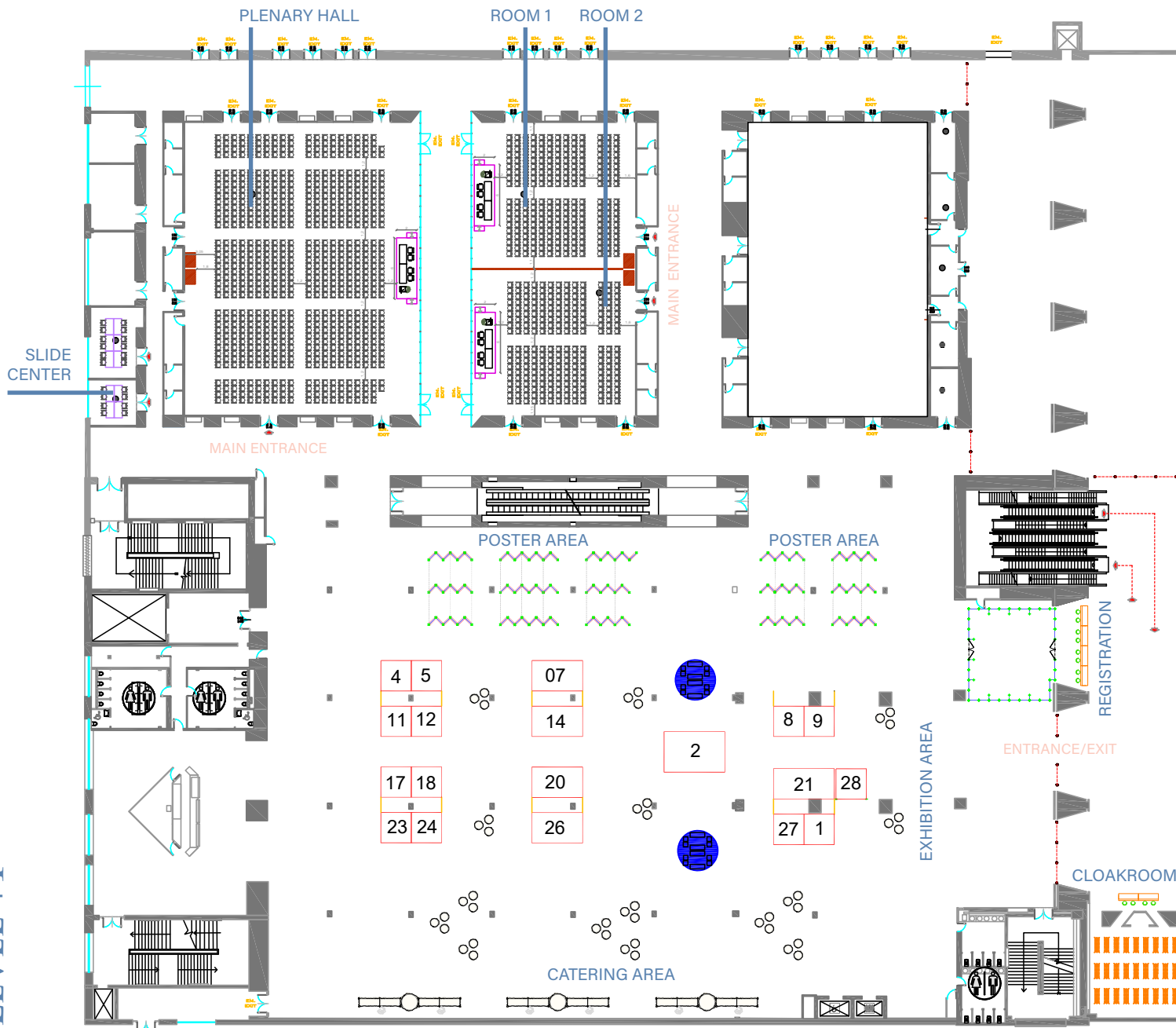
	PLENARY HALL	ROOM 1	ROOM 2
09.00-10.30	S7: Respiratory viruses		
10.30-11.00	Coffee break		
11.00-12.30	S8: Gastrointestinal viruses		
12.30-14.30	Lunch and Poster Session 2		
13.00-14.00	WS - SIEMENS HEALTHINEERS	WS - BIO-RAD	WS - ELITECHGROUP
14.30-16.00	S9: Virus-associated neurologic syndromes		
16.00-17.30	S10: Infections in pregnancy		
17.30-18.30	ESCV General Assambly		
19.30	Social Dinner		

SATURDAY SEPTEMBER 2

PLENARY HALL	
9.00-13.00	Open Coffee break
09.00-10.30	S11: Advancements in diagnosis and monitoring Genomics, Metagenomics and virus discovery advancements in prevention and treatment
10.30-12.00	S12: ENPEN Session
12.00-13.00	Closing Ceremony

TIME TABLE

MICO NORTH WING LEVEL +1



EXHIBITORS

AB Analytica	18
altona Diagnostics	21
Ant Biotechnology	4
Biomerieux	2
Cepheid	12
Clonit	5
Copan	24
Diasorin	20
Elsevier	1
ESCV	28
Euroimmun	8
Genetic Signatures	11
Hologic	23
LGC Clinical Diagnostics	27
Mikrogen Diagnostik	17
Qiagen	9
Seegene	14
Siemens Healthineers	26
Thermo Fisher Scientific	7

WEDNESDAY AUGUST 30

15.00-16.30 S1 - One Health approach in preventing outbreaks, epidemics and pandemics, *Chairs: A. T. Palamara, C. Moore*

Lecture by M. Koopmans: "One Health Approach in preventing outbreaks, epidemics and pandemics"

ORAL PRESENTATION

Biomerieux Award: The clinical impact of multiplex PCR panel diagnostics: Still a long way to go?

M. Panning

Detection of influenza A H5N1 in Eurasian Otters Screened as Part of a Public Health Safety Measure Prior to Research Autopsy – a possible approach for the passive surveillance of avian to mammal spillover events

K. Pheasant

Was a pig virus responsible for the death of the first pig-to-human heart transplant recipient?

C. Crossan

Surveillance of SARS-COV-2 variants in wastewater of airplanes

E. Wollants

16.30-18.00 S2 - Emerging and re-emerging viruses, *Chairs: T. Fischer, A. Papa*

Lecture by L. Barzon: "West Nile virus: an update on the epidemiology, pathogenesis, and diagnosis"

ORAL PRESENTATION

Building-Level Wastewater Surveillance Localizes Interseasonal Influenza Variation

J.J. Miranda

Enabling genomic surveillance and outbreak analysis of mpox virus by development of a novel amplicon based Nanopore sequencing approach

M. Jonges

In vitro models to assess auto-Abs neutralizing the protective effect of type I IFNs against WNV infection

A. Ferrari

Exploring the neuropathogenicity of emerging strains of west nile virus lineage 1 and 2 S

A. Sinigaglia

18.00-19.00 **ESCV Council Meeting**

19.00-20.00 **WELCOME CERIMONY, Chair: F. Baldanti**

G. Bertolaso, Councilor for Welfare of Regione Lombardia

F. Forneris, University of Pavia

A. Venturi, President of IRCCS Policlinico San Matteo Foundation

WELCOME COCKTAIL

10

THURSDAY AUGUST 31

8.00-9.00 Industry Symposia: Thermo Fisher Scientific

9.00-10.30 S3 - Viruses in immunocompromised patients/Virus-associated tumors, *Chairs: H. Hirsch, J. M. Miró*

Lecture by F. Locatelli: "Monitoring and treatment of viral infections in hematopoietic stem cell transplant recipients"

ORAL PRESENTATION

Diagnostic utility of cytomegalovirus DNA quantitation in patients with ulcerative colitis

I. Saglik

Epstein-Barr Virus LMP-1 Peptide Variants and Host-Encoded HLA-E Alleles are Novel Biomarkers for EBV-associated Lymphoproliferative Diseases

H. Vietzen

Expression of human endogenous retroviruses (HERV) in clinical specimens of patients with colon cancer

M. Dolci

Updated Epidemiology of Cytomegalovirus Resistance to Letermovir in France

D. Andouard

10.30-11.00 COFFEE BREAK

11.00-12.30 S4 - Immune response to viral infections/vaccines, *Chairs: G. Sourvinos, E. Puchhammer*

Lecture by S. Abrignani: "Vaccination strategy to follow SARS-CoV-2 variants throughout pandemic: Seeking effector immune responses rather than memory"

ORAL PRESENTATION

Tixagevimab + cilgavimab as pre-exposure prophylaxis for SARS-CoV2 in immunocompromised patients

G. L. Esposito

Low immunogenic response to SARS-CoV-2 vaccine-boost in Cancer patients: case series from Portugal

T. Dias

The protective mechanism against COVID-19, antibody vs cellular immunity

K. Shrwani

Convalescent plasma treatment of COVID-19: Antibody profiles of donors and patients

V. Nurmi

12.30-14.30 LUNCH

11

THURSDAY AUGUST 31

13.00-14.00 Industry Symposia: Biomerieux, IME symposium, Abbott

14.30-16.00 S5 - Hepatitis and HIV, Chairs: M. Panning, C. Perno

Lecture by J. M. Miró: "Antiretroviral Therapy in people living with HIV: Past, present and future"

ORAL PRESENTATION

Downtrend HCV and HBV viremia prevalence in dialysis patients in South Bulgaria
R. Komitova

Molecular characterisation of a rabbit Hepatitis E Virus strain detected in a chronically HEV-infected individual from Germany

D. Harms

Ultra-sensitive HBV DNA detection and risk prediction of occult hepatitis B virus infection in blood donors in England

M. Fu

Characterization and role of HIV-DNA minority mutations in a long-term treated paediatric patients cohort

L. Colagrossi

16.00-16.30 COFFEE BREAK

16.30-17.30 S6 - Clinical cases, Chairs: M. Feltkamp, E. Badaby

ORAL PRESENTATION

Zika virus infection in two family members returning from Maldives

A. Mancon

Investigating multiple years of within host evolution of hepatitis E virus in a immunocompromised patient with encephalitis and ribavirin treatment failure

M. Welkers

Fulminant echovirus 11 hepatitis in male non-identical twins in northern Italy, April 2023

A. Piralla

17.30-18.30 Poster Session I

FRIDAY SEPTEMBER 1

9.00-10.30 S7 - Respiratory viruses, Chairs: E. Pariani, C. Moore

Lecture by P. Openshaw: "Acute and delayed effects of respiratory virus infection"

ORAL PRESENTATION

Monitoring of nasal Type I IFN response during viral respiratory infections: Respiferon study

D. Parraud

Herpes simplex virus is an important lung pathogen in critically ill patients – ten years experience

P. Hubacek

Epidemiology, clinical presentation and Whole Genome Sequencing of Human Respiratory Syncytial Virus in the 2022/2023 winter season

G. Ferrari

Prevalence of viral respiratory pathogens in deceased persons: a multiplex qPCR-based study covering 16 viruses in >7500 post-mortem samples

S. Pfefferle

10.30-11.00 COFFEE BREAK

11.00-12.30 S8 - Gastrointestinal viruses, Chairs: S. Dudman, M. São José Alexandre

Lecture by J. Vinjé: "Norovirus disease: will it be vaccine preventable in 5 years?"

ORAL PRESENTATION

Prevalence of gastrointestinal pathogens by multiplex PCR gastrointestinal panel stool test in patients with and without inflammatory bowel disease

S. Erganis

Detection of viral agents causing gastroenteritis by multiplex PCR method in patients; norovirus, rotavirus, adenovirus, astrovirus, sapovirus

M. Hager

Genetic Diversity of Group A Rotavirus Circulating in Ireland between 2015-2021 Identified Through Nanopore Whole-Genome Sequencing

Z. Yandle

Analytical and clinical validation of a lab-developed, fully automated high-throughput multiplex-PCR panel for the detection of seven gastrointestinal viruses: Norovirus GT1, Norovirus GT2, Rotavirus, Adenovirus, Sapovirus, Astrovirus and Enterovirus

D. Noerz

FRIDAY SEPTEMBER 1

12.30-14.30 LUNCH and [Poster Session II](#)

13.00-14.00 Industry Symposia: Siemens Healthineers, Bio-Rad, ELITechGroup

14.30-16.00 [S9 - Virus-associated neurologic syndromes, Chairs: H. Harvala, P. Klapper](#)

Lecture by K. Messacar: "Challenges in Diagnosis and Surveillance of Virus-Associated Neurologic Syndromes"

ORAL PRESENTATION

Abbott Award: Virus-associated neurologic syndromes
M. Graninger

Viral and human transcriptomic investigation of cerebrospinal fluid specimens from patients with herpes simplex virus and varicella-zoster virus infections of the central nervous system

S. Burrel

Evaluation of chemokines in serum and cerebrospinal fluid of children with tick borne encephalitis

A. Sulik

16.00-17.30 [S10 - Infections in pregnancy - Co-hosted by the ECCI Network, Chairs: T. Lazzarotto, P. Vallely](#)

Lecture by A. Vossen: "Congenital cytomegalovirus infection: From bedside to bench"

ORAL PRESENTATION

HCMV glycoprotein M has 3 distinct genotypes among clinical isolates

A. Al Alford

Evidence of Increase Risk of Severe SARS-CoV-2 Infection Among Pregnant Women With Malaria Co-infection

A. Aliyu Isah

Expression Patterns of Cellular Receptors of the Cytomegalovirus in the Fetal Human Inner Ear

L. Grijpink

Diagnostic performance of Dried Blood Spot (DBS) molecular test for detecting congenital CMV (cCMV) infection in neonates born to women with non-primary CMV infection

L. Pellegrinelli

17.30-18.30 **GENERAL ASSEMBLY**

SATURDAY SEPTEMBER 2

9.00-10.30 [S11 - Advancements in diagnosis and monitoring Genomics, Metagenomics and virus discovery advancements in prevention and treatment - Cohosted by the ENNGS Network, Chairs: F. Baldanti, X. Lopez](#)

Lecture by C. Chiu: Gardner Award - "Metagenomic Sequencing for Diagnosis and Surveillance of Emerging Viral Infections"

ORAL PRESENTATION

Heine-Medin Award: The Next Generation of Clinical Virology
M. Perdomo

Rapid and Sensitive Single-Sample Viral Metagenomics using Nanopore Flongle Sequencing

I. Pichler

Determinants of positivity and impact of clinical metagenomics: a 3 years' prospective study in France

J. Fourgeaud

Performance of metagenomics NGS probe-based pathogen detection in clinical samples

R. Ferreira

10.30-12.00 [ENPEN Session](#)

Neonatal Enteroviral Sepsis - case of Echovirus 11 (EV-11)

S. A. Feeney

A pilot study for an international surveillance model capturing severe neurological enterovirus and parechovirus infections

C. K. Johannesen

Epidemiological and molecular characterization of human Enterovirus in outpatients and hospitalized patients with acute respiratory illness in Lombardy (Northern Italy), from July 2021 to April 2023

L. Pellegrinelli

The environmental surveillance for enteroviruses: from a historical perspective to the state of art

L. Bubba

Cluster of neonatal enterovirus myocarditis cases in Cardiff, United Kingdom

C. Moore

12.00-13.00 **CLOSING CEREMONY**

ON SITE REGISTRATION FEES

All delegates must register for the congress. Registration fees are as follows:

ESCV Member	Non Member	Student
660 €	740 €	540 €

included 22% vat

Registration in the STUDENT category is only open to people able to provide a valid official certificate.

The Registration Fee includes:

- › Entrance to Scientific Sessions, Industry-Sponsored Workshops, Posters Sessions and Exhibition
- › Possibility to submit abstracts
- › Certificate of attendance by e-mail after the Congress
- › Coffee and Lunches during the Congress

REMITTANCE

Registration fees shall be paid by credit card or bank transfer through the online system available on the congress website. When paying by bank transfer, a copy of the transfer receipt must be sent to federica.donzelli@mzevents.it. Registrations without proof of payment will not be accepted. On-site registrations may be paid only by credit card or cash. Cheques will not be accepted. The organising secretariat will send registration receipt upon receipt of payment, via e-mail. Be sure your e-mail address is filled in correctly.

CANCELLATION AND REFUND

After 1 July no refunds will be issued.

LIABILITY AND INSURANCE

Registration fees do not include the insurance of participants against personal accidents, sickness and cancellations by any party, theft, loss or damage to personal possessions. Participants are advised to take out adequate personal insurance to cover travel, accommodation, cancellation and personal effects.

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1st September 2023
h. 7.30 pm

SOCIAL DINNER

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VIA SAN BARNABA 48
€ 100 pp – vat 10% included



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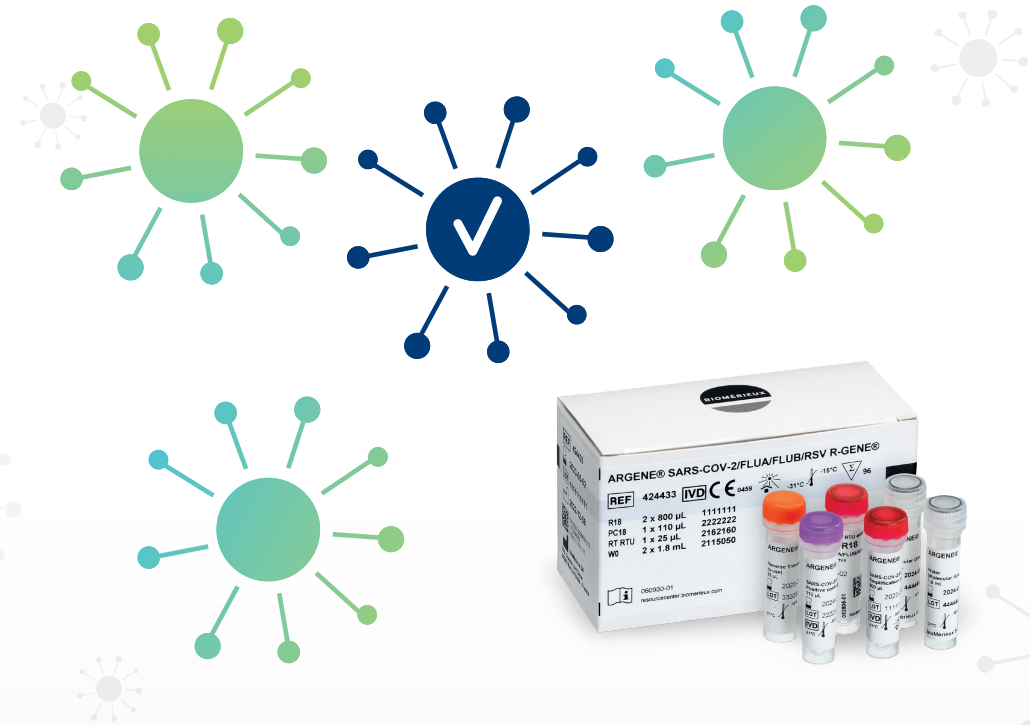
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Pending CE-IVDR registration under EU regulation 2017/746

GENERAL INFORMATION

POSTER

Posters will be arranged by topic and display in the Congress Venue. Posters will be numbered and must be exposed for the duration of the congress.

In order to encourage discussion poster presenting Authors must be at the assigned poster panel in the following time slots:

Thursday 31 August 17.30-18.30

Friday 1 September 12.30-14.30

LANGUAGE

The official language of the Congress is English. Simultaneous translation is not provided.

NAME BADGE

A name badge will be required to access to the conference area. Participants will receive a name badge at check in at registration desk. Delegates and exhibitors must display the official badge at all times.

CONGRESS KIT

The congress kit can be picked up at the Registration Desk.

HOTEL

For any information please contact MiCodmc
P.le Carlo Magno 1 - 20149 Milan - Italy
Tel.: +39 02 43426288
escv-milan.hotel@micodmc.it

INDUSTRY EXHIBITION

Participants are encouraged to visit the industry exhibition, which will be accessible for the duration of the Congress.

WI FI

Wi-Fi will be available in the conference area.

AUDIOVISUAL CENTRE

Speakers are kindly requested to bring their presentation to the audiovisual centre on a USB drive at least one hour before the presentation is scheduled. Personal laptops cannot be connected to the system.

CERTIFICATE OF ATTENDANCE

A certificate of attendance will be sent by e-mail after the end of the Congress.

CLOAKROOM

A cloakroom is available near the Registration Desk.

EACCME ACCREDITATION

The 25th ESCV Annual Meeting, has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

To receive the Certificate and get the Credits you are kindly asked to give back the Learners Feedback Questionnaire duly filled out, at the end of the Congress.

ORGANISING SECRETARIAT



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	Simplexa™ Flu A/B & RSV Direct Gen II Kit		
	Simplexa™ COVID-19 & Flu A/B Direct Kit		
	Simplexa™ SARS-CoV-2 Variants Direct Kit (RUO)*		

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CONGRESS VENUE

Allianz MiCo
Milano Convention Centre
via Gattamelata – Gate 14

Milano Convention Centre is right
in the centre of Milan
4 km from the Duomo



HOW TO REACH MICO



Buses & Trams

Bus no. 78 get off at Colleoni/Gattamelata
Tram no. 19 get off at Boezio



Lilac Line 5

Get off at the "Portello" stop, walk along via Colleoni and, on the right, via Gattamelata for approx. 450 m, otherwise get off at the "Domodossola FNM" stop, and walk about 600 m towards the Congress Centre.



Red Line 1

Get off at the "Cadorna" stop, exit the subway and go to the railroad station above : take the first train departing and get off at the "Domodossola" stop just 600 m from the Congress Centre.



Yellow Line 3

Get off at the "Duomo", switch to the Red Line 1 (RHO Fiera Milano direction) Get off at the "Cadorna" stop, exit the subway and go to the railroad station above : take the first train departing and get off at the "Domodossola" stop - just 600 m from the Congress Centre.



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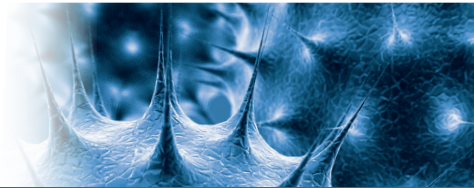
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3 viral pathogens

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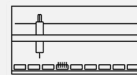
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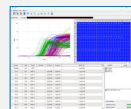
Flexible, automated
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- Respiratory In
- Sexually transmitted infections
- Vaginal health
- Cervical health
- Open Access for Lab Developed Tests
- Transplant
- Hospital-acquired infections
- Gastrointestinal panels* Panther® & Panther Fusion® Tests



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*In development, not for sale

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WORKSHOPS AND MEETINGS

WS THERMO FISHER SCIENTIFIC

📅 **AUGUST 31** H. 8.00-9.00
📍 ROOM: PLENARY HALL

Viral reactivation in transplanted patients - challenges, perspectives and testing solutions

Viral Reactivation after Hematopoietic Stem Cell Transplantation: Perspective of Clinical Hematologist
O. Borsani

Key issues on the monitoring of viral infection in the allogeneic stem cell transplant recipient: the virologist perspective
D. Navarro

Molecular diagnostics for the qualitative and quantitative detection of common pathogens that put transplanted patient at risk
G. Ranaldi

WS BIOMERIEUX

📅 **AUGUST 31** H. 13.00 - 14.00
📍 ROOM: PLENARY HALL

Discover how bioMérieux Molecular Diagnostics Solutions impacts your clinical routine!

Multiplex PCR approach for emerging respiratory infections in hospitalized

patients: enterovirus/rhinovirus underestimate?
E. Schvoerer
Chair: G. Baccala

Torque Teno virus (TTV) for immunologic monitoring in clinical routine care of solid organ transplant recipients, and future perspectives.
G. Bond
Chair: D. Boutolleau

WS IME SYMPOSIUM

Organized by Virology Education and supported by an independent educational grant from Moderna.
📅 **AUGUST 31** H. 13.00 - 14.00
📍 ROOM: ROOM 1

Spotlight on RSV - A Hidden Epidemic in Older Adults

RSV Epidemiology and Disease Burden in Older Adults
J. Paget

Clinical Manifestations and Risk Factors for Severe Disease
P. J. M. Openshaw

RSV Prevention - Review of Clinical Trials in Elderly
Panel Discussion

WS ABBOTT

📅 **AUGUST 31** H. 13.00 - 14.00
📍 ROOM: ROOM 2

Innovative solutions for testing transplant markers on the Alinity m system.

Chair: D. Navarro

Multicenter performance evaluation of the Alinity m molecular assays for quantifying Cytomegalovirus and Epstein-Barr Virus DNA in different matrices
D. Navarro

Development overview of Alinity m Transplant assays
S. Huang

MIKROGEN DIAGNOSTIK

Let us inspire you!

Set-up your personal live demonstration of our CarL system including our broad recomLine immunoassay portfolio.

Join us and discuss our wide range of safe & flexible PCR products: compatible with all common extraction and amplification systems.

Discover our unique T-Track® SARS-CoV-2 and T-Track® CMV T-cell Diagnostics for the detection of antigen-specific T-cell responses.

Join us and be inspired!

WS SIEMENS HEALTHINEERS

📅 **SEPTEMBER 1** H. 13.00 - 14.00
📍 ROOM: PLENARY HALL

The workshop will discuss the challenges of genetic drift and variants on the performance of viral PCR tests. Additionally, the importance of an effective surveillance program to ensure reliability of results will be addressed.

Coping with Genetic Evolution of Viruses: A Race Against Time

C. Loukas
A. Gilles



Please note!
MIKROGEN BOOTH
No.17

WS BIO-RAD

📅 **SEPTEMBER 1** H. 13.00 - 14.00

📍 ROOM: ROOM 1

Standardization of CMV viral load results in IU/ml for immunosuppressed patient monitoring: cross perspective from a clinician and a virologist

Virologist perspective

V. Thibault

Clinician perspective

G. Travi

WS ELITECHGROUP

📅 **SEPTEMBER 1** H.13.00 - 14.00

📍 ROOM: ROOM 2

New insight in prevention and management of CMV infections

Chair: F. Baldanti

CMV-RNAemia as accurate marker of active viral replication in transplant recipient

T. Lazzarotto

ENNGS MEETING

📅 **AUGUST 31** H. 17.30 - 18.30

📍 ROOM: ROOM 1



ENPEN MEETING

📅 **AUGUST 31** H. 17.30 - 18.30

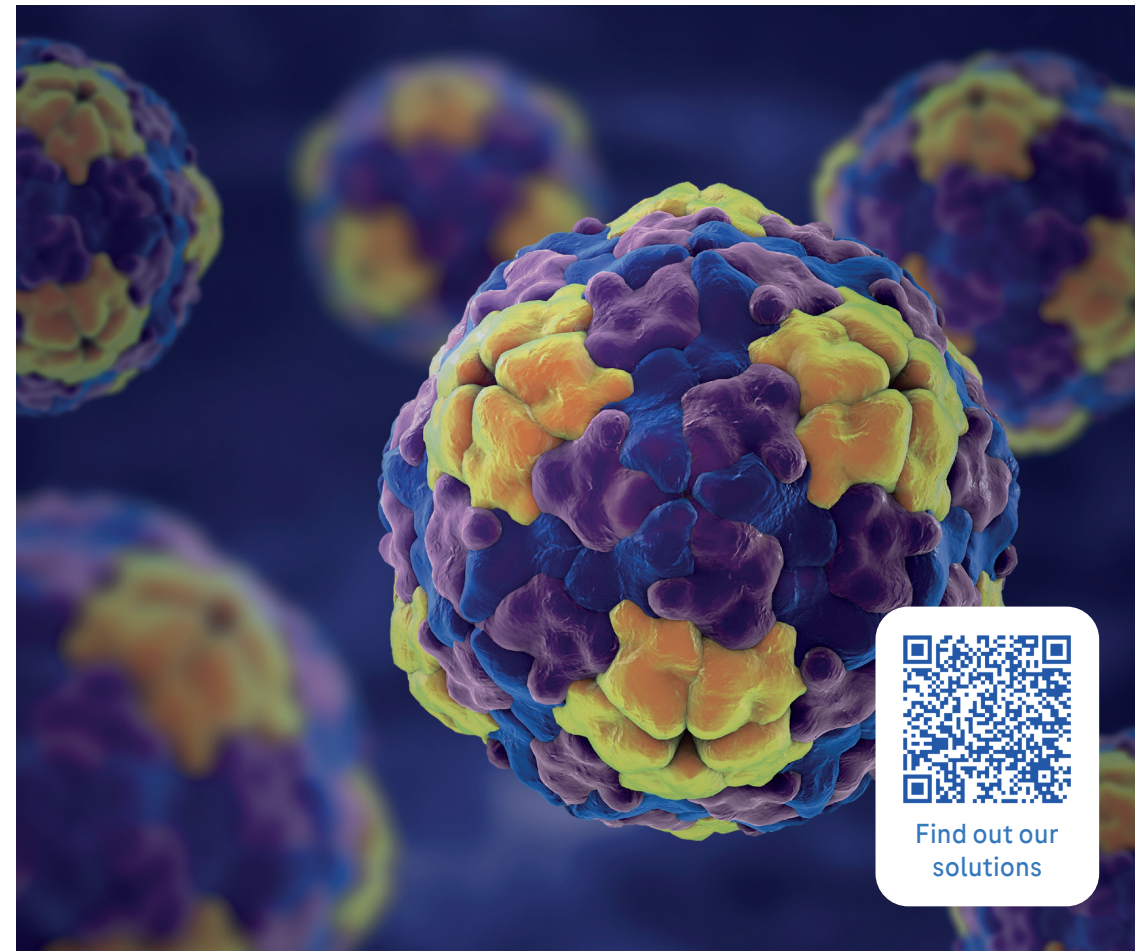
📍 ROOM: ROOM 2



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Reliable and innovative solutions
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solutions

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AB ANALITICA

Leading Innovation in Diagnostic Systems

Experience excellence in diagnostic systems with AB ANALITICA, the Italian leader in developing, producing, and commercializing state-of-the-art solutions for healthcare professionals. Our team of highly qualified researchers, in collaboration with esteemed research institutes, universities, and hospitals, ensures we deliver high-quality, innovative, and safe systems aligned with the latest clinical guidelines. Certified by UNI EN ISO 9001 and UNI EN ISO 13485, we uphold the highest standards in designing, developing, producing, and trading in-vitro diagnostic medical devices (IVD). With a comprehensive sales network across Italy and partnerships with foreign distributors, AB ANALITICA ensures widespread accessibility to our exceptional products. Redefine diagnostics with us, shaping a healthier world.

ALTONA DIAGNOSTICS

Altona Diagnostics is a medical diagnostic company that develops and manufactures in vitro diagnostic tests for the PCR based detection of pathogens such as viruses, bacteria or parasites. Headquartered in Hamburg-Altona, Germany, Altona Diagnostics is privately owned and employs 350 people worldwide. The company has been in the molecular diagnostics business for over 20 years and is ISO 13485 certified. Altona sells its registered products to private and clinical laboratories globally through subsidiaries and more than 40 distribution partners. Altona also offers an automated workflow solution that is complete with instrumentation, nucleic acid extraction chemistry and a dedicated software.

ANT BIOTECHNOLOGY

At Ant Biotechnology Company, we are pioneers in the field of microbiology diagnostics, setting new standards with our cutting-edge RT-PCR kits. Our groundbreaking Uniqplex™ technology empowers laboratories worldwide with rapid and efficient results, revolutionizing the diagnostic process. With an impressive detection time of approximately 42 minutes, our kits bring unparalleled speed to the table. What sets us apart is our unique ability to run multiple DNA and RNA amplifications simultaneously, ensuring a streamlined workflow. From STD to Respiratory Pathogens, our comprehensive product line caters to diverse diagnostic needs. Join us in shaping the future of rapid and precise diagnostics.

BIOMERIEUX

A world leader in the field of in vitro diagnostics for 60 years, bioMérieux is present in 45 countries and serves more than 160 countries through a large network of distributors. bioMérieux provides diagnostic solutions (systems, reagents, software and services) that determine the origin of a disease to improve the health of patients. World leader in microbiology, specialized in immunoassays and leading pioneer in the syndromic molecular approach, the Company is committed worldwide on major public health issues in the field of infectious diseases, such as antimicrobial resistance, sepsis and respiratory infections.

CLONIT

Since 1987, Clonit is focused in developing, manufacturing and distributing of innovative and reliable in Vitro Diagnostic Equipment and Reagents for Molecular Diagnostics.

A deep expertise in Molecular Biology make our company a valued partner for laboratories and hospitals around the world. With our high standard and high performance IVDs portfolio, we aim to improve healthcare by enhancing and supporting the decision-making process, in line with scientific and technological evolution.

Our Real time PCR based kits are used to detect a broad range of diseases in several key areas: bacterial, fungal and viral infections, oncohematology and several genetic disorders.

COPAN

Copan is dedicated to developing high-quality and cutting-edge sample collection products for infectious diseases, human genomics, environmental and forensic applications, along with automated workflow solutions.

Our ideas drove 40 years of progress in preanalytics, resulting in meaningful products tailored to fit any need. Among them, FLOQ technology revolutionized sample collection, while WASPLab® advanced hardware and A.I. modules leveraged automation and digitalization to redefine full lab automation.

Copan's Workflow-Integrated System Environment can accompany your biological samples from the collection to impeccable diagnostics, unlocking your lab's real potential and improving treatment indication and patient care.

<https://www.copangroup.com/>

DIASORIN

Headquartered in Italy and listed at the Italian Stock Exchange in the FTSE MIB Index, DiaSorin is a global leader in the In Vitro Diagnostic (IVD) field and is active

since 2021 in the Life Science business. For over 50 years, the Company has been developing, producing and marketing reagent kits used by diagnostic laboratories worldwide. The Group operates in 5 continents through 39 companies, 4 branches, 10 manufacturing facilities and 9 research and development centers. The extensive diagnostic testing and Life Science offer, made available through continuous investments in research, positions DiaSorin as the player with the broadest range of specialty tests available within the diagnostic market, and identifies the Group as the "Diagnostic Specialist". More info at www.diasoringroup.com

GENETIC SIGNATURES

Genetic Signatures is a global molecular diagnostics company, providing configurable syndromic testing solutions for infectious diseases. A diverse range of assays are available under the EasyScreen™ brand, for the flexible detection of over 100 clinically relevant pathogens. Diagnostic assays are underpinned by proprietary 3base™ technology which improves multiplex efficiency and reduces the genetic complexity of detecting pathogens. This is particularly beneficial for detecting pathogen subtypes and provides greater resilience to genetic variation. The streamlined and automated workflow can detect a large number of pathogens in a single sample, whilst preserving throughput, providing timely and accurate diagnosis to improve patient management.

HOLOGIC

Hologic Inc. is an innovative medical technology company focused on improving health and wellness through the early diagnosis and treatment of disease. It aims to enable a healthier life everywhere, every day. Over time, Hologic has developed revolutionary products and services for bone and breast health, gynecological surgery solutions, in vitro diagnostic

medical devices for clinical molecular and cytology diagnostics, and biomedical imaging systems. Hologic's commitment to improving patients' lives follows the "The Science of Sure" approach, pursuing the goal of providing safe results, through highly specific products and cutting-edge technologies.

MIKROGEN

Since 1989 we are a pioneer in the field of in vitro diagnostics: our focus is early detection of infectious diseases. It is realized in our automated workflows keeping our customers competitive with a focus on top-tier LINE-Assays, ELISA, CLIA, and Real-Time PCR.

SEEGENE INC

Seegene Inc. is an in vitro diagnostics (IVD) company that has been turning innovative technologies into products through its pioneering R&D activities. Seegene owns its original patent technologies including DPO™, TOCE™, MuDT™ and 3 Ct™. With these cutting-edge molecular diagnostic technologies applied to a variety of Seegene PCR (Polymerase Chain Reaction) products, Seegene has enhanced the sensitivity, specificity, and target coverage per a test to unprecedented levels by providing accurate high-multiplex PCR products that detect genes of multiple pathogens simultaneously per each fluorescence channel. Seegene STARlet-AIOS is a fully automated system that can be operated by those with minimal PCR experience and is compatible with a wide range of Seegene's syndromic assays. Seegene continues to set new standards in molecular diagnostics through cutting-edge innovations. www.seegene.com

SIEMENS HEALTHINEERS

Siemens Healthineers enables healthcare providers worldwide to increase value by empowering them on their journey towards

expanding precision medicine, transforming care delivery, improving patient experience and digitalizing healthcare. A leader in medical technology, Siemens Healthineers is constantly innovating its portfolio of products and services in its core areas of diagnostic and therapeutic imaging and in laboratory diagnostics and molecular medicine. Siemens Healthineers is also actively developing its digital health services and enterprise services. Further information is available at www.siemens-healthineers.com.

THERMO FISHER SCIENTIFIC

Thermo Fisher Scientific Inc. is the world leader in serving science. Our Mission is to enable our customers to make the world healthier, cleaner and safer. Whether our customers are accelerating life sciences research, solving complex analytical challenges, increasing productivity in their laboratories, improving patient health through diagnostics or the development and manufacture of life-changing therapies, we are here to support them. Our global team delivers an unrivaled combination of innovative technologies, purchasing convenience and pharmaceutical services through our industry-leading brands, including Thermo Scientific, Applied Biosystems, Invitrogen, Fisher Scientific, Unity Lab Services, Patheon and PPD.



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The BIOFIRE® FILMARRAY® Pneumonia (PN) Panel tests for 26 of the most common bacterial and viral pathogens associated with pneumonia, along with 7 antimicrobial resistance genes. Faster detection of the targets on the BIOFIRE PN Panel leads to faster results-directed therapy.¹



**BIOFIRE® FILMARRAY®
PNEUMONIA PANEL**

1 Test. 33 Targets. ~1 Hour.

FDA cleared 2797

1: Poole, S. et al. (2022) J Infect. S0163-4453(22)00533-3.

Product availability varies by country. Consult your bioMérieux representative.

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NOTES

NOTES

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Workflow-Integrated System Environment



AltoStar® Automation System AM16

Automated and flexible – from sample to PCR analysis

Universal extraction chemistry

DNA and RNA purification in parallel from multiple sample types
Run up to four assays from a single eluate
To be used with your CE-IVD marked altona assays and LDTs

Various validated sample matrices*

Plasma, whole blood, serum, urine, swabs, stool, CSF,
All sample types in one run

Reliable and convenient application

Automated whole blood pretreatment possible
Communication with LIMS and lot tracking
Automated PCR cycler programming
Up to 8 assays in one run

Coming soon: automated results analysis

Broad assay menu

Wide range of test kits for the detection and/or quantification of pathogens
Transplant & Immunocompromised; respiratory infections; gastrointestinal infections; bloodborne infections; fever, tropical & emerging infections (FTE)

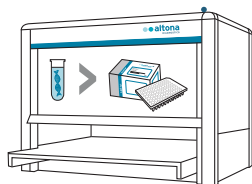
Complete IVD workflow

Instruments, reagents, software and consumables from one source
Full traceability

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LIMS WORKLIST	
Assay A	<input checked="" type="checkbox"/>
Assay B	<input checked="" type="checkbox"/>
Assay C	<input checked="" type="checkbox"/>



Fully
integrated
workflow



*Usable sample types depend on assay



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Complete viral workflow to enable effective patient outcomes

Thank you for supporting ESCV. Please join our industry symposium to hear more about our solutions:

Viral reactivation in transplanted patients—challenges, perspectives, and testing solutions

Thursday 31 August

8:00–9:00 a.m.

Plenary Room

We'll also be presenting six posters at the conference.

Visit us at **booth #7** to discuss how we can help you run your lab more efficiently.



Learn more at thermofisher.com/escv2023

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