



# INDUSTRY LEADING PROVIDER OF VIRAL CHALLENGE STUDIES

## CHALLENGE STUDIES

Provide early human proof-of-concept efficacy data to support drug and vaccine candidate selection

Support accelerated development of pipeline compounds, through early identification of the appropriate endpoints, dose response and timing and biomarkers for incorporation in later clinical studies

Reduced costs as the model requires a relatively small number of subjects investigated over a shorter period of time to deliver an efficacy outcome

## OUR CHALLENGE MODELS

### INFECTIOUS DISEASES

FLU

HRV

RSV

Malaria

COVID-19

### RESPIRATORY

ASTHMA

COUGH

COPD

## LAB SERVICES

### LABORATORY OFFERING

Virology

Immunology

Biomarkers

## HVIVO HUMAN CHALLENGE FULL-SERVICE SOLUTION

*Unparalleled experience in the design, conduct and analysis of human models of disease*



Study design  
& protocol  
development



Recruitment



Monitoring



Ethics &  
regulatory  
submission



Pharmacy



Data management  
and biostatistics



Laboratory  
support



Biomarker  
development



Clinical  
Study report



Clinical Trial:  
Inpatient or  
outpatient

## STANDARDISED STUDY PROCESS 'Committed to delivering study excellence'



### Protocol design

- Study management process
- Services deliver quality results
- Meeting client needs and timelines
- Trials conducted using controlled settings and processes



### Screening & recruitment

- Recruitment of volunteers in the UK using the 'FluCamp' brand



### Quarantine

- Bespoke quarantine unit in Whitechapel, London for conducting challenge studies: 24 en-suite rooms



### Viral challenge

- Well characterised challenge
- Exact exposure time to virus



### Intensive sample collections

- Virology
- Immunology
- Biomarkers



### Quarantine discharge and follow up

- Immunogenicity
- Seroconversion
- Standard 28 days can be up to 1 year

