



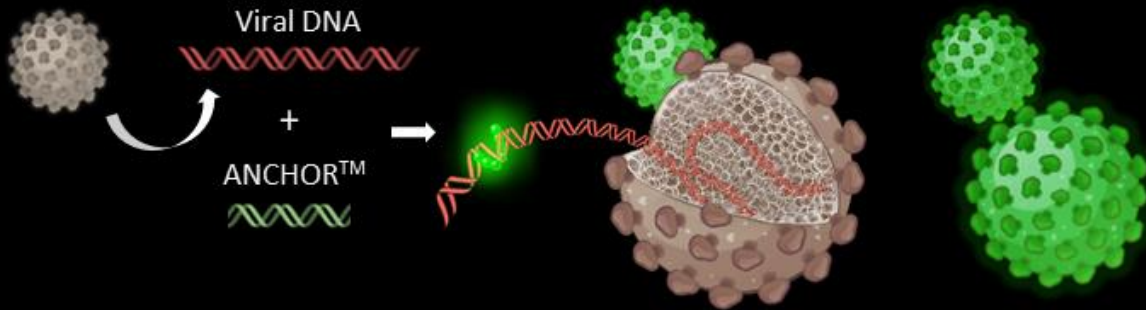
# NEOVIRTECH

*Discovery made easy!*



At NeoVirTech we have developed an ever-expanding catalogue of autofluorescent viruses and viral vectors for the direct imaging of antiviral drug candidates or disinfection procedure in the field of human/animal health and biodefense.

## OUR ANCHOR™ SOLUTION.



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## How are we different?

**No fixation, no extraction, no reagents, cost efficient.**

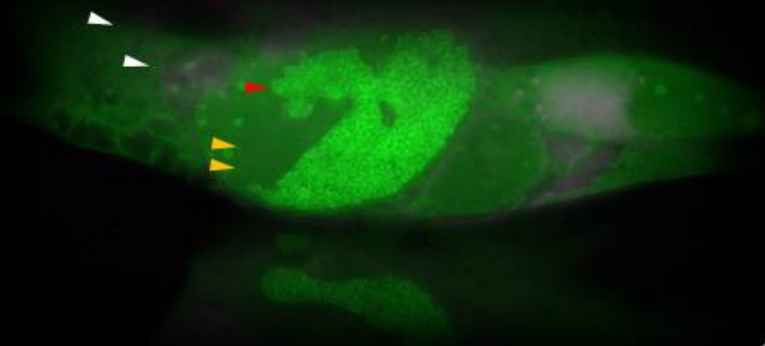
**Save time !**

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We autonomously visualize viral DNA replication in living cells.

No false positives: only marks infectious particles (contrary to qPCR). Our technology allows quantitative and qualitative results of infection and viral replication.

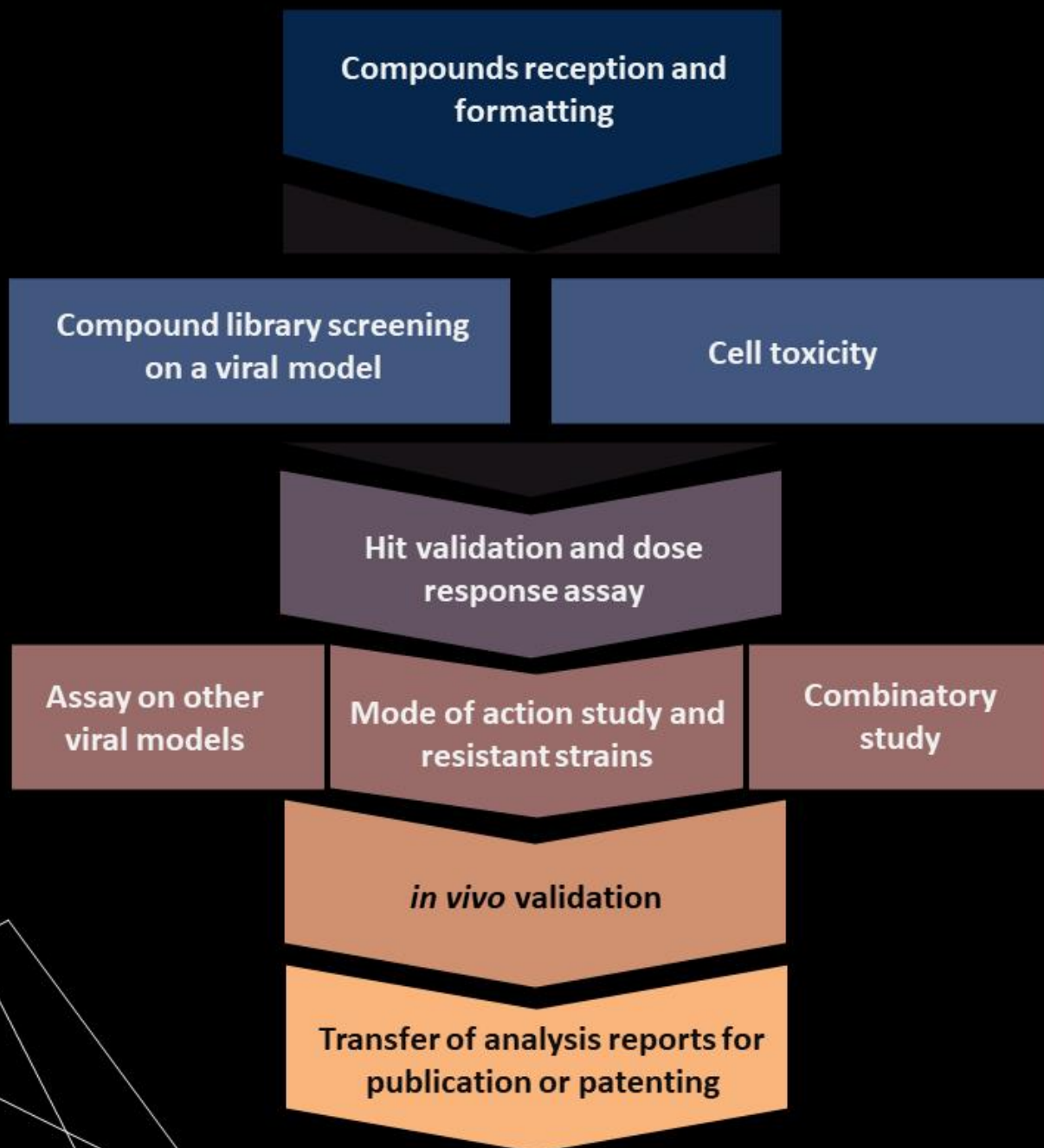
- ▶ hCMV replication center
- ▶ hCMV DNA in the nucleus (single particle)
- ▶ hCMV DNA in the cytoplasm (single particle)



**Real-time monitoring and quantification of viral replication and infection**

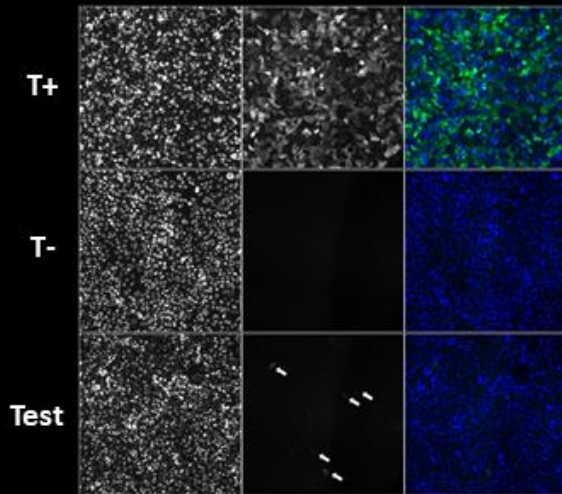
## Workflow antiviral screening and validation

We can support you in the development of your antiviral molecules.  
From compound screening to *in vivo* validation



# Workflow for accelerated measurement of disinfection processes

**Step 1 : choose a fast and relevant viral model.**

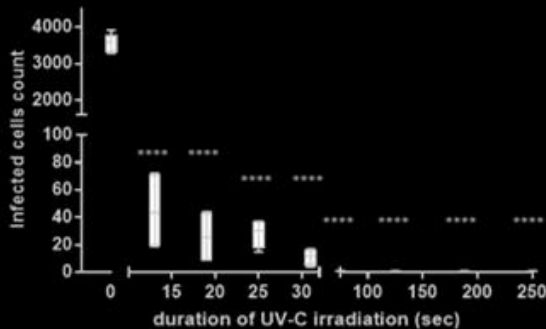


Here we selected Adenovirus Type 5

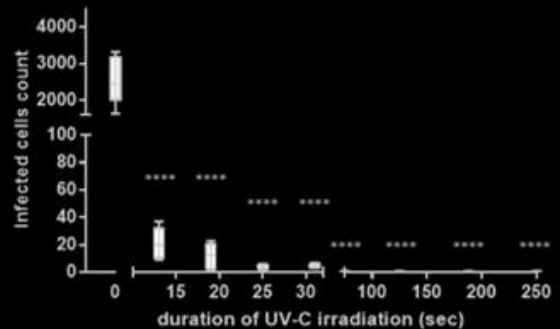
- Rapid viral cycle
- Simple permissive cultured cells
- Tagged ANCHOR
- Result in 24h
- HCS compatible
- "disinfection resistant"

**Step 2: Measure the efficiency of the disinfection process of your solution in different conditions (time, virus, type of support...) to calibrate your final product.**

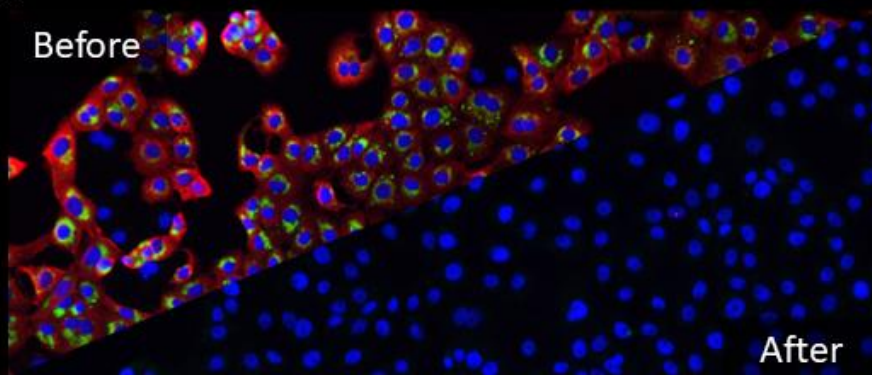
Adv5 ANCHOR on glass



Adv5 ANCHOR on surgical masks



**Step 3: Validation of the characteristics of your final product in order to reduce the cost of your normative tests. We provide before/after images for communication and marketing applications.**



SARS-CoV-2 testing



# Our services:

## *Virology*



- ANCHOR™ imaging
- Classical virology methods (CPE/qPCR)
- Antiviral assay from *in vitro* to *in vivo*
- Infectious viruses in BSL2 / BSL3
- Vaccinal strains
- Oncolytic viruses

## *Drug discovery*



- Toxicity assay
- High content screening
- Dose response (IC50/90 calculation)
- Mechanism of action
- Resistant strains generation and target identification
- Combinatorial studies

## *Imaging*



- Viral and non-viral context
- High content imaging and quantification
- High resolution imaging

## *Disinfection testing*



- From early stage to validation of commercial product
- All surfaces
- Living Human Skin explants

## *Oncolytic virotherapies*



- Screening / validation
- Interaction between oncolytic viruses and preexisting treatments
- *In vivo* testing

*You need more information ? Contact us!*



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Virology



Drug discovery



Imaging



Disinfection testing



Oncolytic virotherapies

*The viruses we have at our disposal to advance your projects*

| <b>HUMAN MARKET</b>  |   |
|----------------------|---|
| <b>Herpesvirus</b>   | hCMV ANCHOR™ (WT / Letermovir resistant / Ganciclovir resistant)<br>EBV ANCHOR™ (in validation)<br>HSV1 ANCHOR™ (in validation) |
| <b>Poxvirus</b>      | <u>Vaccinia virus ANCHOR*</u>   |
| <b>Retrovirus</b>    | Lentivirus HIV1 derived ANCHOR™ (several including IN deficient)<br>HIV1 ANCH (in coll.)  |
| <b>Adenovirus</b>    | hAdv5 ANCHOR™   |
| <b>Other viruses</b> | Respiratory Syncytial Virus<br>Influenza<br>Rhinovirus<br>SARS-CoV-2 (pré-VOC, delta, omicron)                                  |

| <b>ANIMAL MARKET</b> |  |
|----------------------|--|
| <b>Poxvirus</b>      | Myxomavirus (Vaccinal and pathogenous strain ANCHOR™)*<br><u>Cowpox ANCHOR™</u><br><u>African Swine Fever Virus ANCHOR™ (in coll.)</u> |
| <b>Herpesvirus</b>   | Equine HV1 ANCHOR™   |
| <b>Other viruses</b> | Feline Calicivirus<br>Canine parvovirus  |

Viruses having biodefense applications are underlined.

\* *in vivo* efficacy testing available

**Your virus of interest is not in this list ?**

**Do not hesitate to contact us, we will find a solution !**