



Efficient and economical health monitoring of laboratory mice

International guidelines, for instance those of the Federation of European Laboratory Animal Science Associations (FELASA), recommend the regular performance of various serological check-ups¹ for the health monitoring of laboratory animals.

¹FELASA recommendations for the health monitoring of mouse, rat, hamster, guinea pig and rabbit colonies in breeding and experimental units. FELASA working group on revision of guidelines for health monitoring of rodents and rabbits: Mähler M, Berard M, Feinstein R, Gallagher A, Illgen-Wilcke B, Pritchett-Corning K and Raspa M. Lab Anim. (2014), Vol. 48(3) 178-192

Check-ups recommended by FELASA (extract)

Quarterly:

- Mouse hepatitis virus (MHV)
- Mouse rotavirus (EDIM)
- Murine norovirus (MNV)*
- Theiler's murine encephalomyelitis virus (TMEV)
- Minute virus of mice (MVM)

Yearly:

- Mouse ectromelia virus
- Mycoplasma pulmonis
- Reovirus type 3
- Sendai virus
- Pneumonia virus of mice



*Not available in the USA

Simple monitoring using indirect immunofluorescence (IIFT)

The Mouse Monitoring IIFT Mosaic (order no. FI 2603-1010-1 GM) allows the **simultaneous** investigation of antibodies against **5 virus parameters with one droplet of serum**. A positive reaction indicates an infection. The test can be performed quickly and conveniently because it is based on the innovative BIOCHIP and TITERPLANE technology.

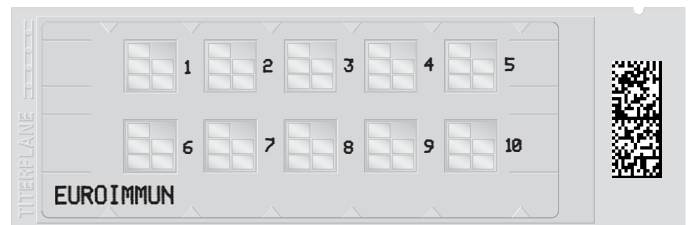
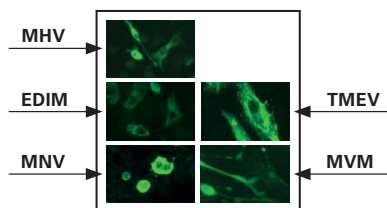
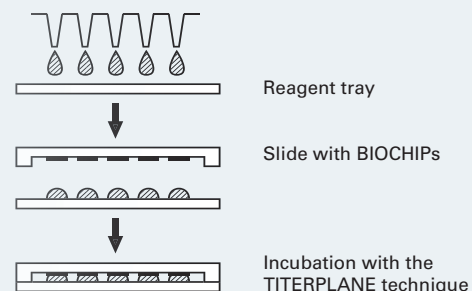


Fig.: Mouse Monitoring Mosaic slides with BIOCHIP mosaic: Each BIOCHIP is coated with one cell line infected with a specific virus type. Further substrates for the health monitoring of laboratory mice are available and can be used for the preparation of customer-specific mosaics.

Convenient immunofluorescence technique: TITERPLANE

- Parallel incubation of several samples
- Identical incubation conditions owing to simultaneously starting incubations
- No drying-out, no humid chamber required
- No running of droplets or dislodged cover glasses



Fully automated processing for efficient analysis

The Mouse Monitoring Mosaic can be processed fully automatically using the automated laboratory instruments IF Sprinter (order no. YG 0032-0101) and Sprinter XL (order no. YG 0033-0101-#) from EUROIMMUN. All steps from the dilution of samples to the incubation and washing of slides are performed automatically.

