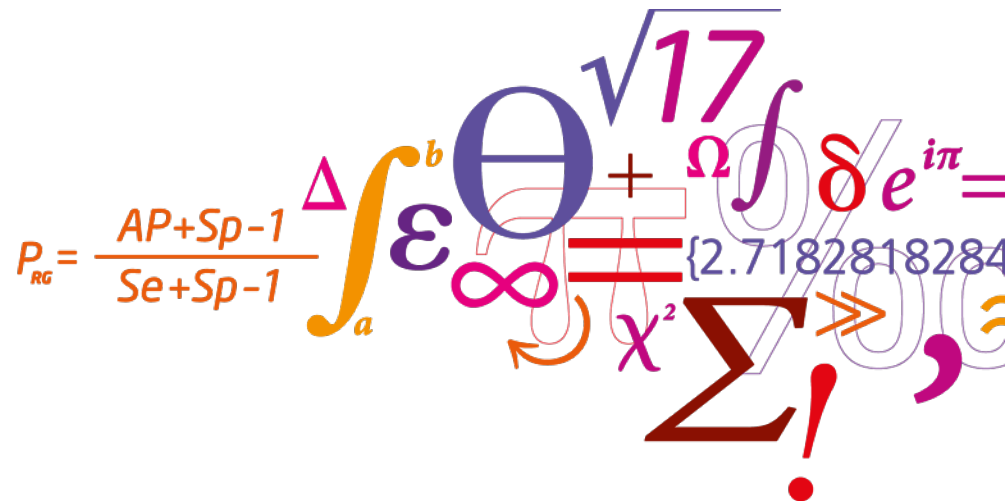




Use of FTA[®] cards in fish diagnostics

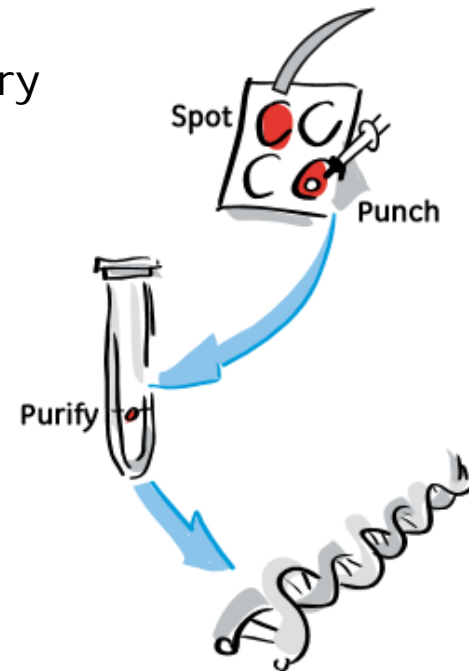
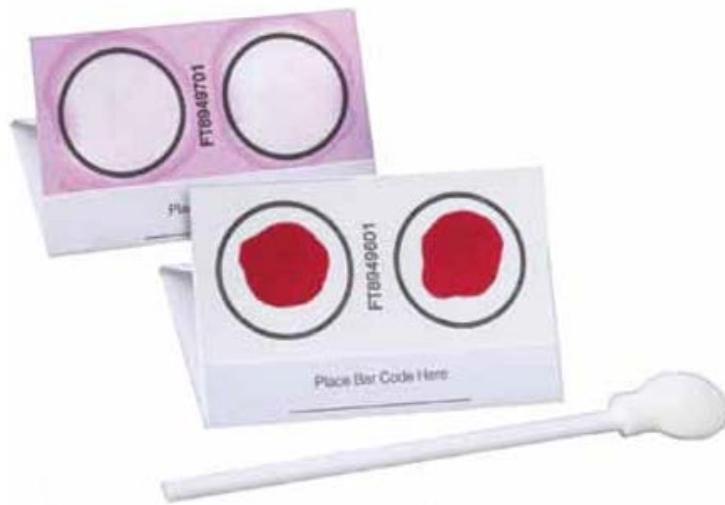
Argelia Cuenca, Tine Iburg, Troels Rundqvist, Niels Jørgen Olesen





Objectives

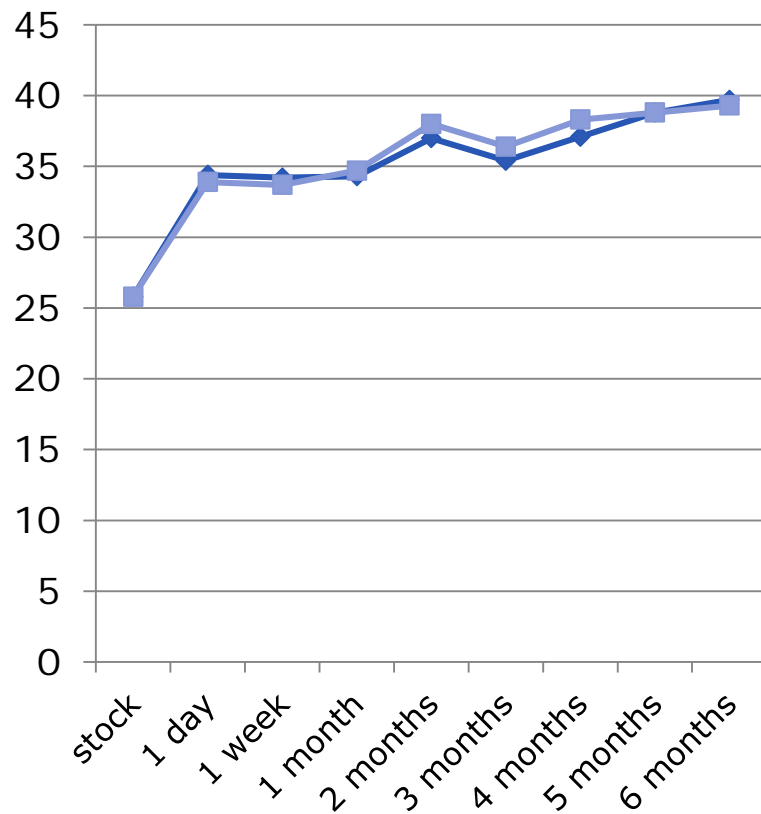
- Test the use of Whatman FTA cards for virus preservation and shipment
 - Virus stability in FTA[®] card at different temperatures
 - Optimization of protocols for virus recovery



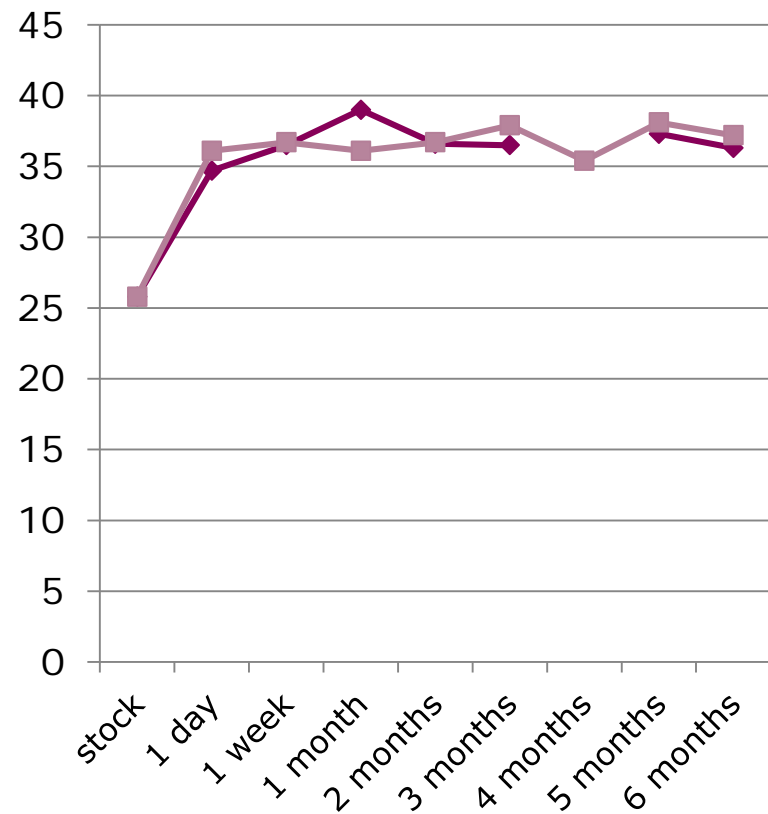


Virus detection in FTA cards stored at RT

RNA virus (VHSV)

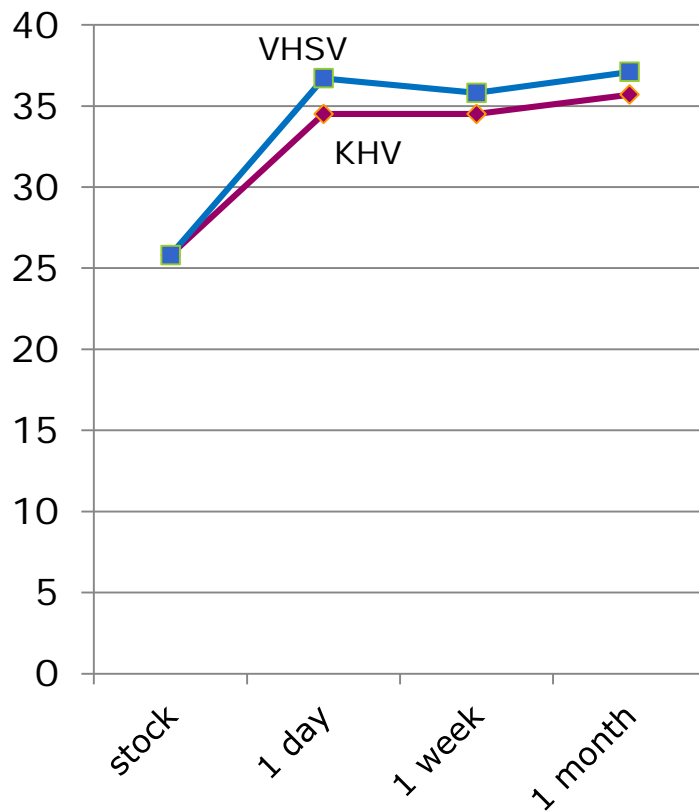


DNA virus (KHV)





Test of virus detection in FTA cards stored at 37 °C



RNA easy extraction protocol

Used for a proficiency test for detection of VHSV



Test of IHNV in FTA cards

Test after one week at RT, and later after two weeks at -20°C

| Isolate | Stock (200 µl) | RNA easy 2 punches | TE + viral RNA | 2 weeks -20°C |
|---------|-------------------|-----------------------|-------------------|------------------|
| 1 | 23.42 | 32.22 | 24.66 | 25.4 |
| 2 | 24.41 | 32.48 | 26.76 | 27.2 |
| 3 | 25.63 | 33.49 | 27.09 | 27.8 |
| 4 | 27.44 | 34.21 | 29.51 | 30.03 |
| 5 | 21.08 | 29.14 | 24.6 | 25.7 |