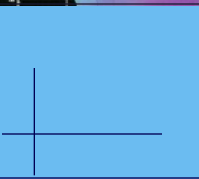
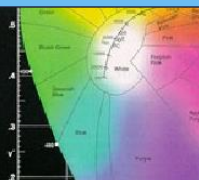
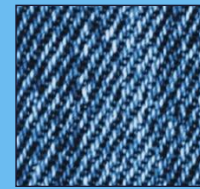


## VideometerLab 3 for colony counting in petri dishes

Videometer A/S



# VideometerLab 3

## Laboratory device for spectral imaging

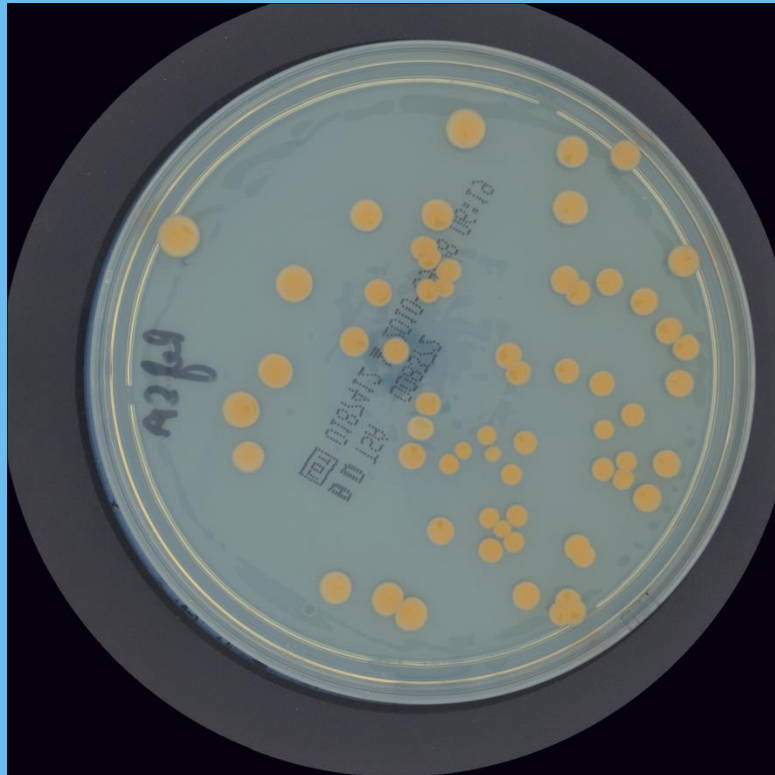


- 19 spectral bands in the range 375 nm to 970 nm
- 2056 × 2056 pixels per band
- Very homogeneous and diffuse illumination
- Strobed LED light source
- 10 seconds per sample including handling
- Optional backlight strobe
- Software for calibration, acquisition, and analysis
- Patented technology

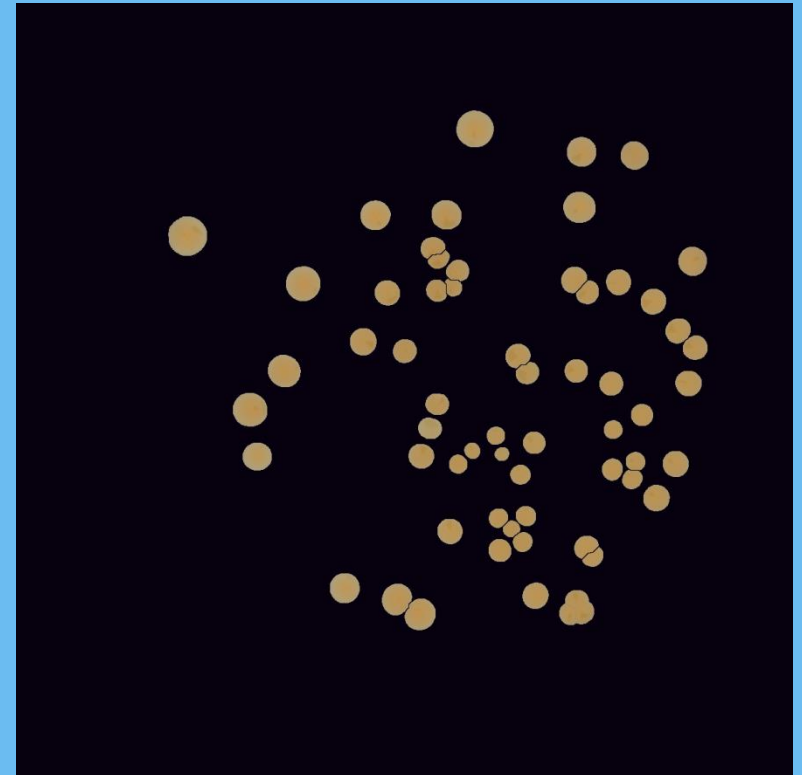


# Staphylococcus Aureus on TSA

Colony plate

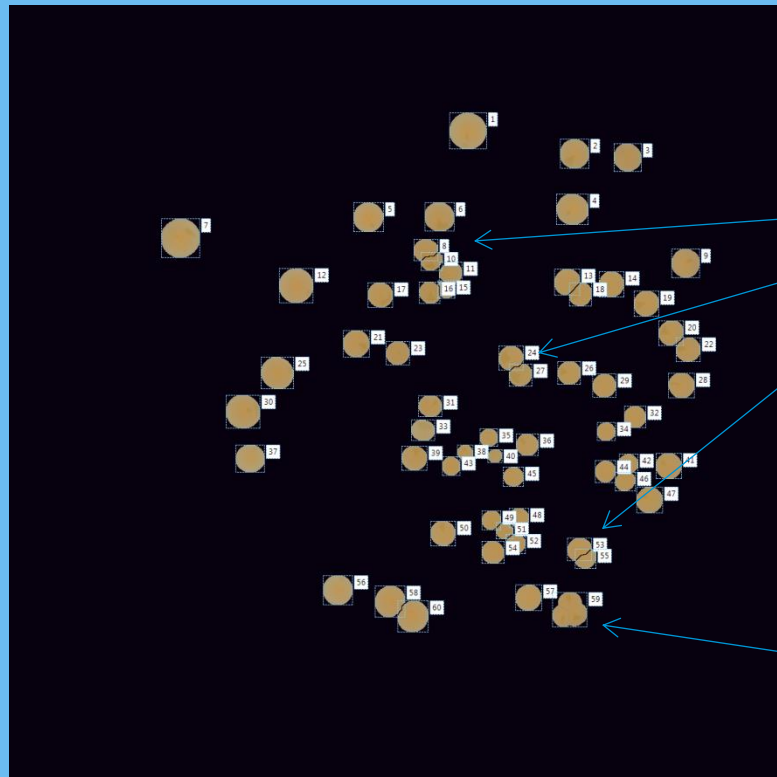


Colonies segmented



# Colony counting on TSA

Colonies identified and counted



Touching colonies are separated

Dense clusters have to be dealt with separately

**60 colonies including one 3-colony cluster**

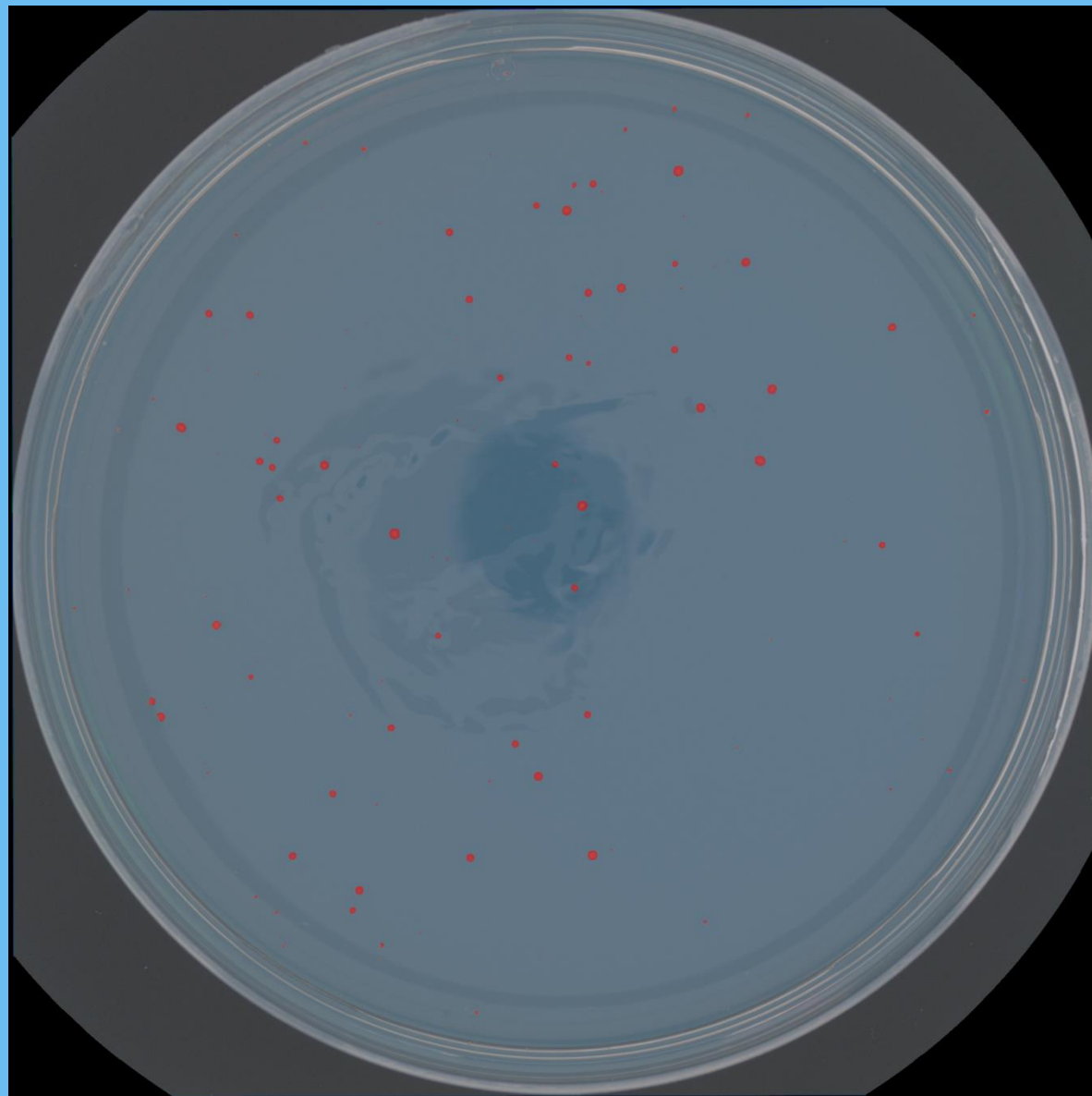


# Water PCA example

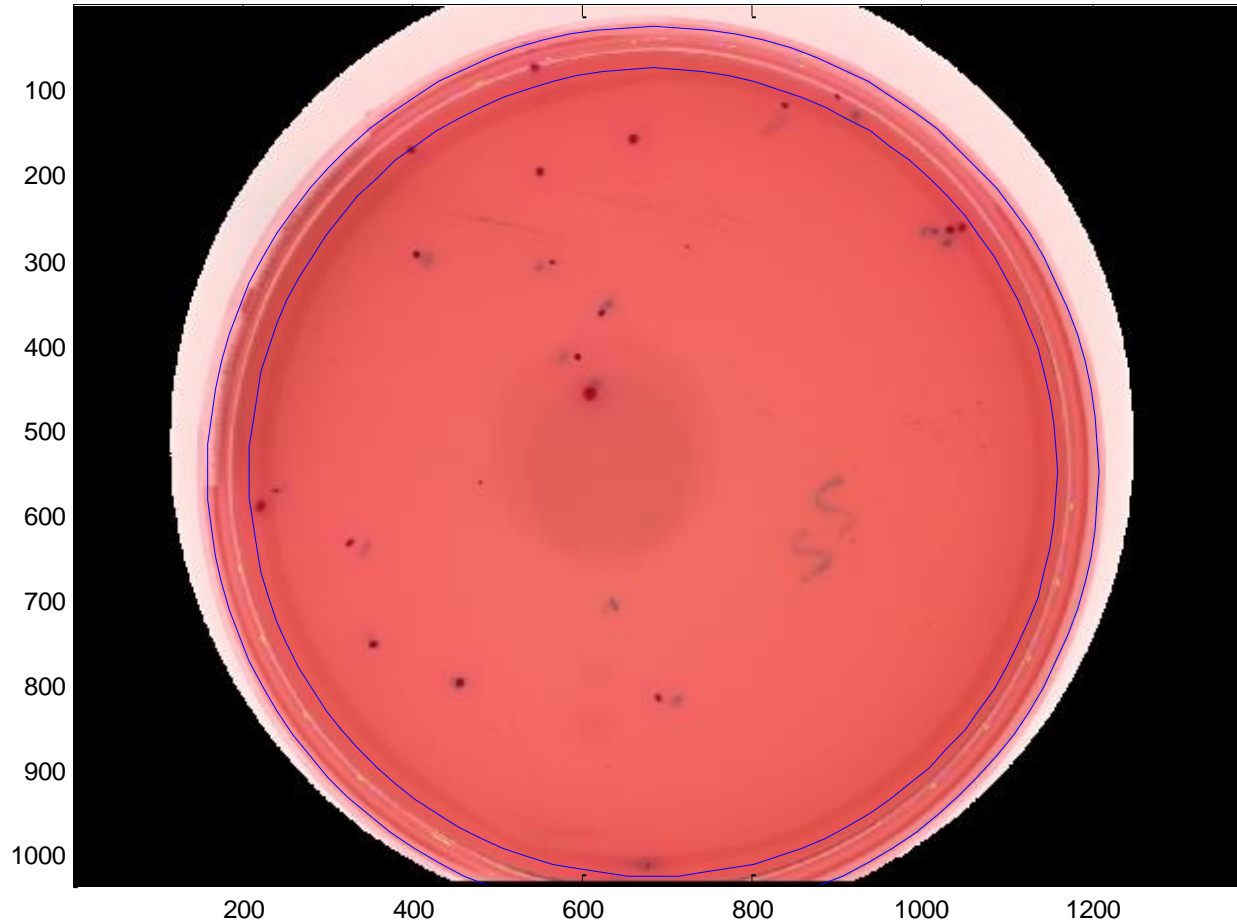
Image: 775732012102

VideometerLab count = 186

Manual count = 189

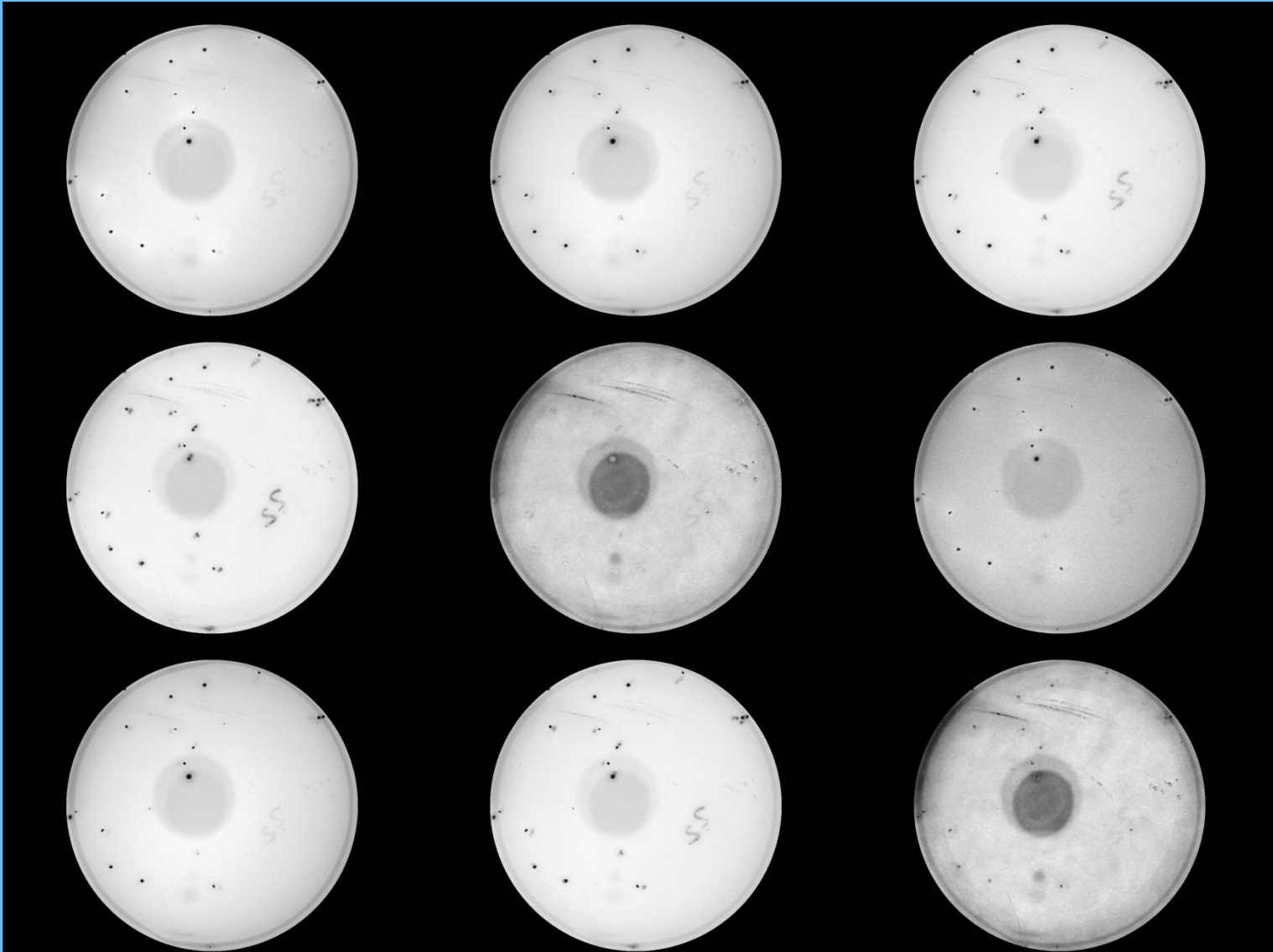


# VRB plate (rgb)





# VRB plate (nine spectral bands)



# VRB plate (principal components)

