



INTERNATIONAL HPV REFERENCE CENTER

LABNET NEWS

SEPTEMBER 2023

Dear colleagues,

I hope that everything is well at your laboratories and in your countries. The International HPV Reference Center is now sending the Newsletter for autumn 2023, describing updates and news. Please contact us with news items that you would like us to include (mail to Hpvcenter@ki.se). The newsletters will be sent by email and also published at the Int. HPV Ref. Center website (<https://www.hpvcenter.se/publications/labnet-newsletter/>). Feel free to share it with colleagues and researchers.

Best wishes to everyone,

Joakim Dillner

General updates

Proficiency studies

Last year, and for the first time, we issued both an International HPV Genotyping and an International HPV Screening proficiency study. We already received **154** datasets for the HPV genotyping study (from 78 different laboratories), and **158** datasets for the HPV screening study (from 84 laboratories). A new record of participation!

Genotyping panel:

Here you can see the technical report (results included) for the genotyping panel:

<https://www.hpvcenter.se/wp-content/uploads/Global-HPV-DNA-genotyping-PP-2022-technical-report-.pdf>

Screening panel:

Globally, 84 laboratories participated. A total of 22/158 (77%) of datasets were fully proficient. There was mostly high sensitivity and few false positives, but high sensitivity for viruses with little risk resulted in suboptimal specificity. Here you can see the paper (already published) for the screening panel:

<https://pubmed.ncbi.nlm.nih.gov/37688950/>

* As a key note and for future screening panels we will include 2 samples (HPV 16 and HPV 18 at 100 IU/ul) as Hybrid Capture has this concentration as detection limit.

Panels 2023

We are now preparing the proficiency panels for 2023 to be distributed soon. Preliminary data reveals a total of 114 laboratories having requested 132 panels for the screening study and 88 laboratories with 112 panels for the genotyping study.

Don't forget that screening panels can be requested for free by the NRLs to be distributed within your countries. Three countries (Argentina, Germany and Norway) are already doing so, don't miss the opportunity for future proficiency studies!

Consensus requirements for quality assurance analyses if "HPV negative" HSIL+ is found

A guideline for quality assurance analyses if an HPV negative HSIL+ is found is now submitted to the International Journal of Clinical Virology. Thanks to all co-authors for the incredible input, work and patience!

Virus types and amounts in relation to sensitivity and specificity for CIN2+

The International HPV Reference Center sent the panels to the laboratories participating in this study. We are a total of 10 NRL working in this study and the IHRC looks forward to receiving the results soon.

E-learning resources: HPV Laboratory Manual and Courses

Many of us are now working on the HPV laboratory manual. Thank you all for your efforts. We are moving forward! We are soon finalizing 6/11 chapters.

Scientific session at Eurogin 2024 (Stockholm)

We are looking forward to meeting you all at Eurogin 2024 where we will have a scientific session for the HPV LabNet, “Global HPV Laboratory Network”. There will be presentations from 5 countries and participants from NRL will give us an update on the laboratory status.

If there is anything you would like to add from your NRL to the next Newsletter, please let us know.

