

## Assessment of Run H2 2012: Individual results

Aalborg, December 2012

NordIQ has assessed your submitted HER-2 BRISH stain as shown in the table below.

The assessment is generally based on the staining intensity and distribution in cells expected to stain, background staining, cross-reactivity, counter-staining and preservation of tissue structures. More specific criteria may be described on [www.nordiqc.org](http://www.nordiqc.org) → Assessments.

Each stained slide is marked as *optimal*, *good*, *borderline* or *poor*.

**Optimal staining:** The demonstration of HER-2/chr17 is considered perfect or close to perfect in all of the included tissues.

**Good staining:** The HER-2/chr17 ratios could be evaluated in the included tissues, but the interpretation was slightly compromised e.g., due to a weak or excessive counterstaining, excessive retrieval or similar.

**Borderline staining:** A generally too weak demonstration of the HER-2 or chr17 signals, a generally low signal-to-noise ratio or a false negative staining result in one of the included tissues. The protocol should be optimized.

**Poor staining:** A false negative staining result of several of the included tissues or a generally very low signal-to-noise ratio and/or a severely impaired morphology. An optimization of the protocol is urgently needed.

For stains assessed as borderline or poor, comments and recommendations are given to the protocols. Also a good stain may be given a comment if a specific problem is identified.

Please compare the optimal stains and assessment details published on [www.nordiqc.org](http://www.nordiqc.org) with your own stains and protocols. A protocol recommended by NordIQ as well as changes suggested in this letter must be tested carefully in your own laboratory before implementation into the diagnostic work. NordIQ cannot take any responsibility for the consequences of changes of protocols or methods in a laboratory.

Please note that borderline and poor marks do not necessarily indicate a poor performance in the laboratory. Some of the tissues/tumours included in the multi tissue blocks are really challenging. However, all marks less than optimal should encourage the laboratories to analyze and adjust their protocols for improvement to be able to cope with difficult cases.

When assessed, your interpretation and scoring data will be compared to the NordIQ reference scoring data. If "Scoring consensus" in your Individual results is marked "Yes", it means that your interpretation was in line with the NordIQ reference data and HER-2 status (irrespective of your staining being marked as optimal, good, borderline or poor).

Participant no.:	NQC750		
Laboratory:	Institut für Pathologie		
Hospital:	Ev. Krankenhaus BETHESDA zu Duisburg GmbH		
Contact person(s):	Johanna Wezgowiec, Christine Haferkamp, Prof. Dr. med. C. D. Gerharz		
Marker	<b>HER-2 ISH</b>		
Assessment:	Optimal		
Comments to the protocol:	-		
Suggestions for improvement:	-		
Scoring consensus - Laboratory & NordIQ	NO		

NordIQ keeps participant identity and assessment results strictly confidential