

## **HISTOPATHOLOGISCHE QUANTIFIZIERUNG IMMUNOLOGISCHER PROZESSE**

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**SUMMARY:** The necessity of a standard for automated microscopic evaluation of single cells either in immunohistology or confluent cell cultures has been increasingly emphasized among the scientific community. MBSC is the microscopic equivalent to flow cytometry and is used to quantify tissues and confluent cell layers on the single cell level. In particular it is a means of analytical cytology. MBSC allows to look quantitatively at many cells undergoing the same phenomenon, while taking full account of heterogeneity. Further, complex interactions on the cellular as well as subcellular level can be addressed. MBSC is appropriate for determining complex interactions among and between single cells in tissue and cell monolayers with respect to how many of which cells are where and what is their (functional) status. This technique is a versatile analytical tool of research and – with respect to current development – could also be established in clinical routine diagnostics in the future.