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Microbial Risk Assessment

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(0,15 CP) (max. **10** Teiln.) —Düppel, Institut für Lebensmittelhygiene, Königsweg 69,
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Microbial risk assessment is describing a system in which a microbial hazard reaches its host and causes harm. Risk assessment consists of four steps:

1. hazard identification (documentation of an association between disease and the presence of a pathogen in a food)
2. exposure assessment (describing the pathways through which a pathogen population is introduced and distributed in the food chain and reaches the consumer)
3. dose-response assessment (link the final exposure to a pathogen population to a health response in the human population)
4. risk characterization (combining the information gathered in the previous steps to estimate the risk to a population)

On specific examples the general principles of microbial risk assessment will be discussed and data needs for microbial risk assessment will be highlighted within the lecture.

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