Mycoplasma belong to the class of Mollicutes and represent one of the most frequent contaminants of cell substrates and cell-derived biological products. Mycoplasma contamination during biopharmaceutical manufacture is a significant threat to the production of high-quality biotechnological products and can comprise product safety. Further potential consequences of a mycoplasma contamination include a possible production shut-down and product loss, which subsequently can result in a regulatory and financial impact.

CytoInspect™ allows besides the possibility of a general mycoplasma detection via a universal probe, also the identification of 41 mycoplasma species. In case of a mycoplasma positive result, this benefit assists in determining the root-cause of the contamination and in specifying the entry point or source, which is the key to prevent from further spreading of the infection in the production process. Early and reliable mycoplasma detection and identification with CytoInspect™ enables users to define appropriate corrective and preventive actions and therefore to follow an efficient, fast and safe contamination response plan.

### Summary of benefits of mycoplasma identification:

- Assists in determining the root-cause of mycoplasma contamination
- Facilitates identification of the contamination source
- Knowing the source of the contamination is the key to prevent from further spreading
- Supports implementation of fast and effective corrective and preventive actions
- Improves the efficiency of the contamination response plan, also with regard to financial and regulatory aspects

For further information on CytoInspect™ please contact us support.dx@gbo.com or visit our website www.gbo.com/diagnostics.