



**Topic of the Speech:**

Testing Methods and Standards for PPEs

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**Dr. Mary Bao** has more than 20 years of industry pertinent practical experiences and is proficient in the requirements of laws and regulations in several countries for epidemic-prevention products including protective clothing and mask.

Mary has been engaged in the testing, training and certification of epidemic-prevention products for many years.

## ABSTRACT SUBMISSION

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### Testing Methods and Standards for PPEs

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#### ABSTRACT (NO MORE THAN 500 WORDS:)

With global spread of novel coronavirus and a massive outbreak of COVID-19, wearing appropriate protection including mask or FFP (Filtering Facepiece Respirator) or protective clothing is a vital line of defense. Standard differences for Masks and FFP will be analyzed and the key technical items, for example BFE (Bacteria Filtration Efficiency), differential pressure, splash resistance and microbial items for medical mask and PFE (Particulate Filtration Efficiency), breathing resistance for FFP will be compared. Standard differences for EPPC (Epidemic-Prevention Protective Clothing) will be analyzed and the key technical items, such as liquid barrier performance, microbial penetration etc. will be compared.

In response to the COVID-19 outbreak, many medical device market regulators are releasing Emergency Use Authorizations (EUAs) and expedited regulatory pathways for devices healthcare providers need most, including face masks and PPE, among others. The expedited regulatory pathways of EU, USA and Canada markets will be introduced.