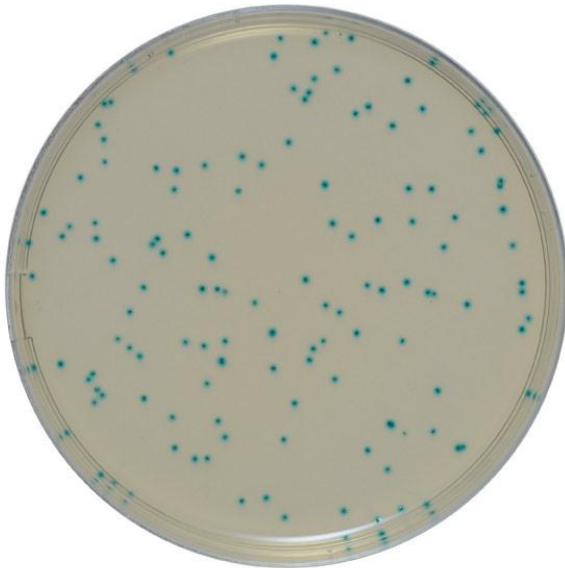




## MicroVal certificate issued to bioMérieux



Recently the method for enumeration of the bacterium *Listeria monocytogenes* with the ChromID™ Lmono Agar (LMO-F) kit has been validated and certified by MicroVal. Food and environmental production samples can relatively fast be checked for contamination with *Listeria*.

MicroVal is the European organisation for the validation and certification of alternative microbiological methods according to [EN-ISO 16140](#).

### 19th MicroVal certificate

On 23 June 2011 the 19th MicroVal certificate # 2010LR35 was issued to bioMérieux for their 'ChromID™ Lmono Agar (LMO-F)' kit for *Listeria monocytogenes* enumeration.

The validation study was performed by the MicroVal Expert Laboratory Adria Développement (France). The MicroVal Method Reviewers, dr Dick van den Berg and dr Jo Klaessens, have reviewed the validation reports. The MicroVal Certification Body Lloyd's Register QA (The Netherlands) has issued the certificate to bioMérieux. The certificate will be valid for 4 years. After that period the certificate can be renewed on the request of the manufacturer. MicroVal experts will judge whether the kit and kit insert still comply with the criteria of the EN-ISO 16140 standard of that moment.

### Reference method

The method was compared to the reference method [EN-ISO 11290-2:1998](#) 'Microbiology of food and animal feeding stuffs - Horizontal method for the detection and enumeration of *Listeria monocytogenes* - Part 2: Enumeration method' and [EN-ISO 11290-2:1998/A1:2004](#) 'Microbiology of food and animal feeding stuffs - Horizontal method for the detection and enumeration of *Listeria monocytogenes* - Part 2: Enumeration method - Amendment 1: Modification of the enumeration medium'.



## Scope

All food categories & environmental samples

## Restriction of use

None

## Advantages of the method

ChromID™ Lmono is a new chromogenic medium that enables the rapid enumeration, detection and presumptive identification of *Listeria monocytogenes* in food products and production environment samples. The ChromID Lmono enumeration methods reduce product release time and bring cost effectiveness and flexibility to low counts.

- With ChromID Lmono, the *L. monocytogenes* enumeration takes just one day for a confirmed result whereas the ISO reference method requires 4 days.
- Only one plate is necessary for the pour plate enumeration when using ChromID Lmono medium in bottles. Surface enumeration is performed with one plate less than all the existing methods used for enumeration of low numbers (< 10CFU/g).
- On this new media, *L. monocytogenes* gives turquoise blue colonies with no associated halo, which facilitates reading.

For the detection of *L. monocytogenes*, ChromID Lmono gives results in one day after enrichment for both negative and confirmed positive samples. The turquoise blue colonies with no associated halo also make it easy to read highly-contaminated samples.

## *Listeria monocytogenes*

*L. monocytogenes* is a Gram positive, non-spore-forming facultative anaerobic bacterium and is the causative agent of listeriosis, a food-borne disease. This illness may cause pathologies such as meningitis, septicaemia, encephalitis and abortions. Groups at risk include pregnant women, neonates, immunocompromised patients, and the elderly. *L. monocytogenes* is widespread in the environment and is a potential risk when raw, partially processed, and ready-to-eat and even some fermented foods are consumed. *L. monocytogenes* is a microorganism that can withstand effects of freezing, drying and heat not commonly seen with a non-spore-forming organism. Most *L. monocytogenes* are pathogenic to a certain extent.

## More information?

For more information you may contact the MicroVal secretariat,  
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The [MicroVal certificates](#) can be found at [www.microval.org](http://www.microval.org)