

Extractable & Leachable Test

Migratable compounds from the components of medical products, so called “Extractable & Leachable”, are critical for the safety of users. Analytical expertise and experience for the industrial materials are necessary for detection and determination of the chemical compounds. Additionally, biological or toxic risk assessment of each compound is inevitable. Toray Research Center provide sophisticated E&L Test services based on the long-term experience in the industrial and pharmaceutical analysis.

What are “Extractable & Leachable (E&L)” ?

Extractables (E) :

Eluted compounds under severe conditions assuming the worst case

Leachables (L) :

Eluted compounds under the actual use condition or under the conditions simulating actual use

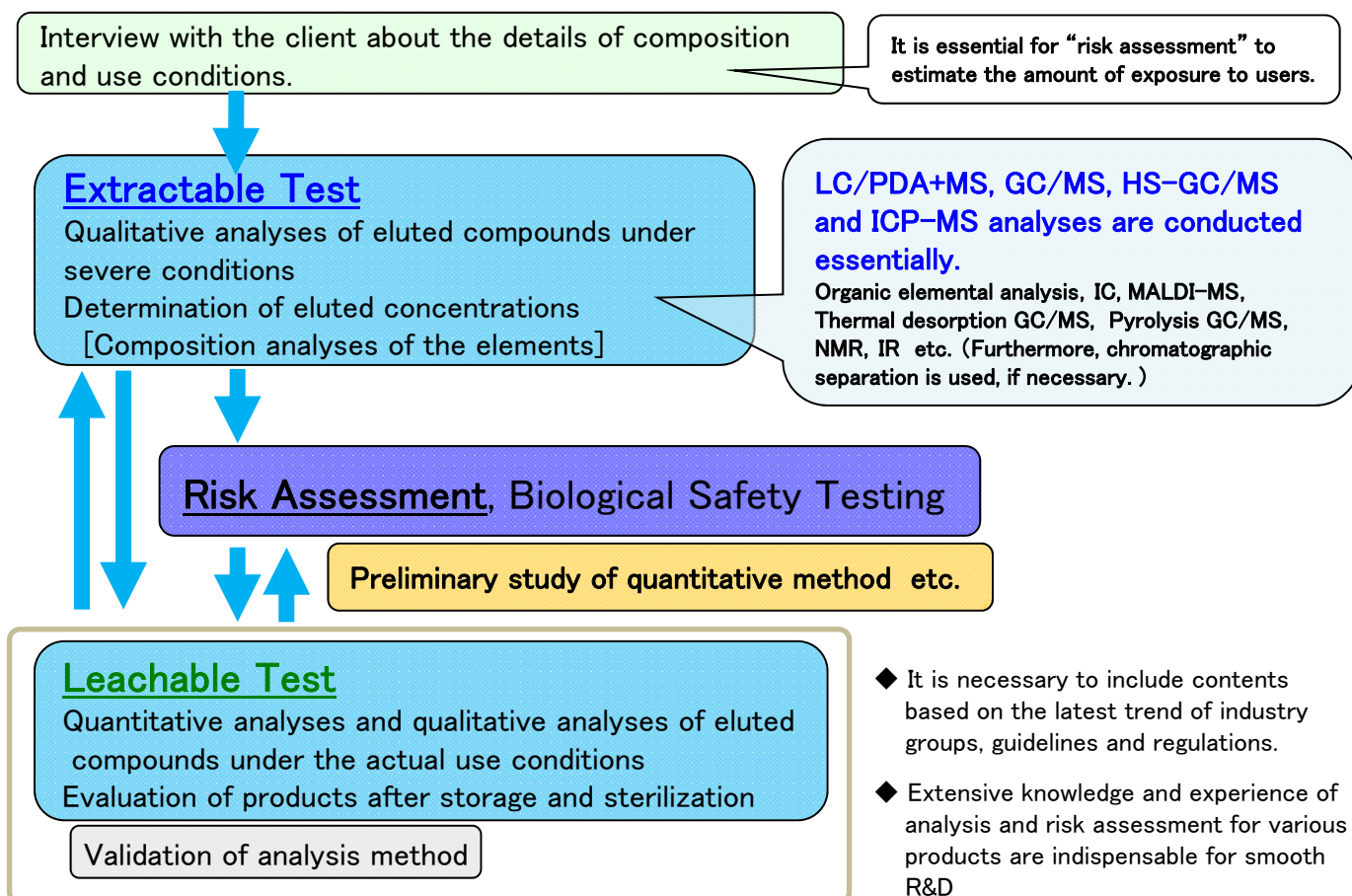
Extractables

Leachables

Basically “Leachables” are included in “Extractables”, although not all of “Leachables” are detected as “Extractables” (In some cases, there are only detected as “Leachables”)

Typical approach of “Extractable & Leachable Test”

* Procedure of the examination is modified according to the acquired information and client's requests



Toray Research Center provides sophisticated “Extractable & Leachable Test” including risk assessment of medical products with wide experience in various field (industrial materials, electronic devices, medicine and biotechnology) and cutting edge analysis.