

CHROMATOGRAPHY

1. GAS CHROMATOGRAPHY



2. GAS CHROMATOGRAPHY - MASS SPECTROMETRY

GAS
CHR

Brand

Model

Configu
ration

Applic
ation
catego
ries



- compounds
- Quantification of purity and impurities

G
C
-
M
S

Br
Mc

Co
ura

Ap
ati
cal
rie

3. PYROLYSIS GAS CHROMATOGRAPHY - MASS SPECTROMETRY



4. AUTOMATED THERMAL DESORPTION GAS CHROMATOGRAPHY - MASS SPECTROMETRY

PYROLYSIS GAS

CHR

- MA

SPEC

Brand

Model

Configu
ration

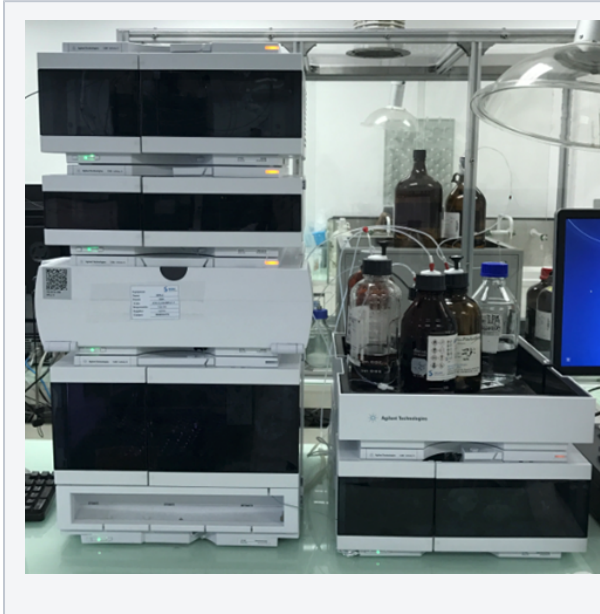


- Injection System: Multi-Shot Pyrolyzer
- Detector: FID, 5975C MS (EI & CI)

Application categories

- Chemical structure identification of polymers and additives

5. LIQUID CHROMATOGRAPHY



6. ULTRA HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

LIQUID CHROMATOGRAPHY

Brand

Model

Configuration

Application categories



ULTRA HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Brand

Water

Model

H-Clas

Configuration

- C
- C
- A
- L

Application categories

- C
- C
- C
- C

7. ULTRA HIGH PERFORMANCE LIQUID CHROMATOGRAPHY- MASS SPECTROMETRY

8. ULTRA PERFORMANCE CONVERGENCE CHROMATOGRAPHY - MASS SPECTROMETRY

ULTRA HIGH PERFORMANCE LIQUID CHROMATOGRAPHY- MASS SPECTROMETRY

Brand

Waters

UIPI CICI - ISI

Br:



Model

Configuration

Application categories



- Identification and quantification of trace (part-per-billion – part-per trillion) levels of compounds in complex sample matrices

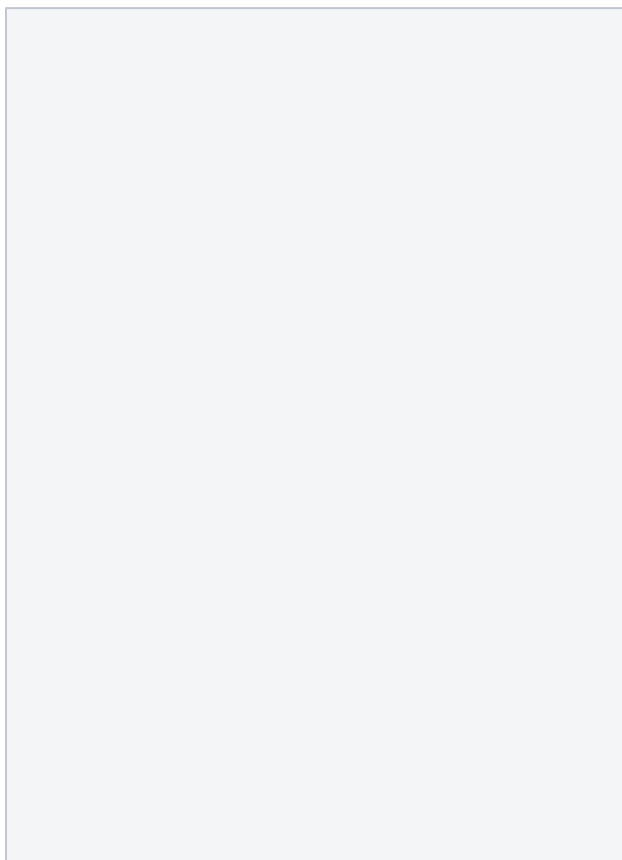
Model

Configuration

Application categories

9. ULTRA HIGH PERFORMANCE LIQUID CHROMATOGRAPHY - HIGH RESOLUTION MASS SPECTROMETRY

10. GEL PERMEATION CHROMATOGRAPHY



ULTRA HIGH PERFORMANCE LIQUID CHROMATOGRAPHY - HIGH RESOLUTION MASS SPECTROMETRY

Brand

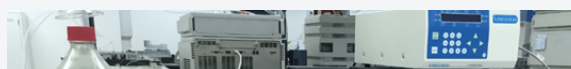
Waters

Model

H-Class Xevo G2XS Q-ToF

Configuration

- Ion source: ESI, ASAP, APCI, APPI
- Mass detector: Single Quadrupole + Time-of-flight
- Scan range: 50 -140,000 Da m/z



Model

Configuration

Application categories



Ap
plic
ation
cat
ego
ries



database

Ap
ati
cal
rie

11. ION CHROMATOGRAPHY



ION CHROMATOGRAPHY

Brand

Dionex &
ThermoFisher

Model

ICS1000, ICS3000,
Intergrion

**Config
uration**

- Gradient quarterly pump
- Autosampler with 100-position tray
- Eluent generator
- Conductive detector

**Applic
ation
catego
ries**

- Determination of Anions: halogen ions, SO₄²⁻, PO₄³⁻, NO₃⁻, ...
- Cations: Amine series, Na, K, Li, Mg, Ca, ...