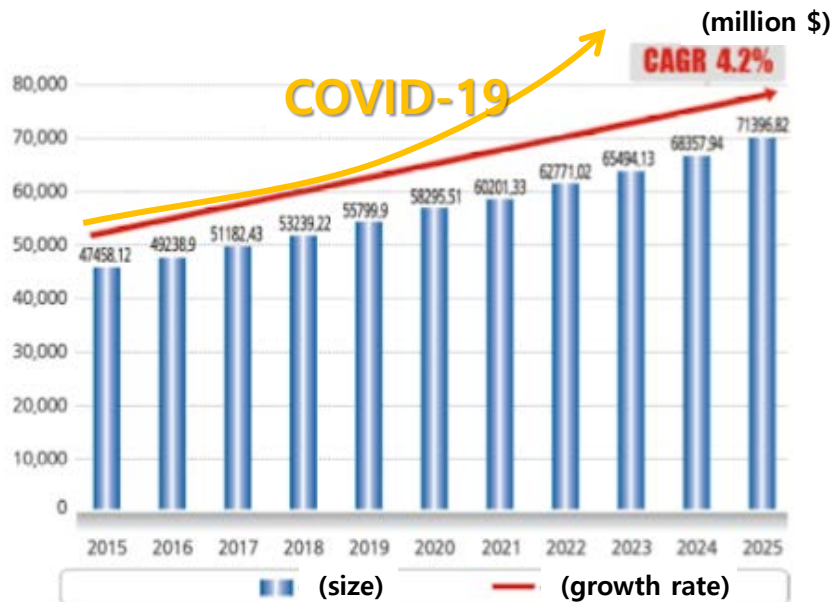


# IVD Market Analysis

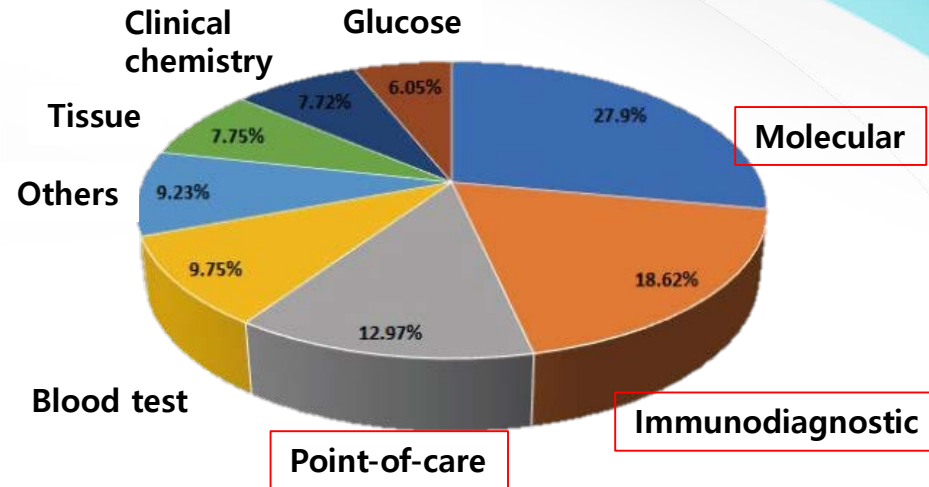
## In vitro diagnosis Market



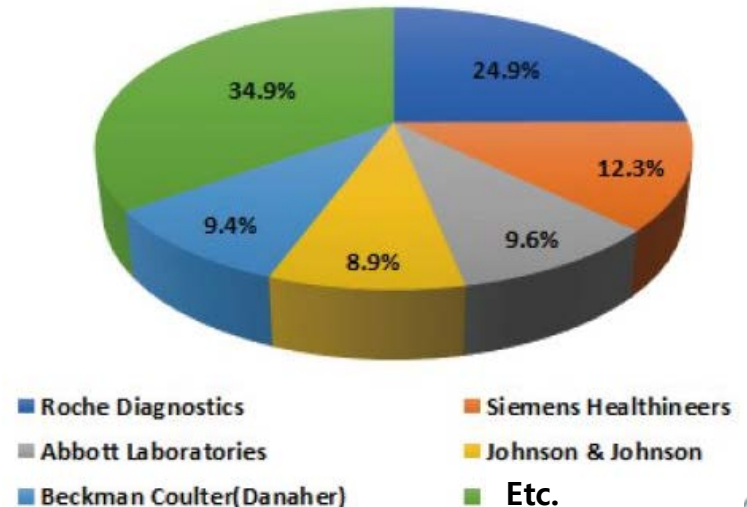
\* 출처: GlobalData, In Vitro Diagnostics Market, Global, 2015-2025

Until 2025', it will be 71.3 billion \$,  
CAGR = 4.2%  
But, due to COVID-19, More market shares!

## Market shares per technologies (2019)



## Market shares per companies (2019)



# Goal: Basic Technology Developing → Systematization → Generation of New Biomedical Industry !!

Portable RT-PCR device



2015'

ETRI Tech-biz co, 2021 KOSDAQ, COVID19 rt-PCR packages)



## Lab-Made

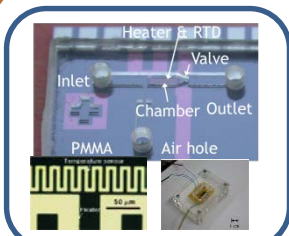
Digital immune tester



2011'



ETRI Tech-biz co., 2019 KOSDAQ registration, COVID19 rapid test kit)



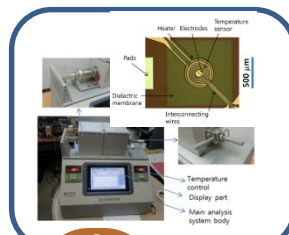
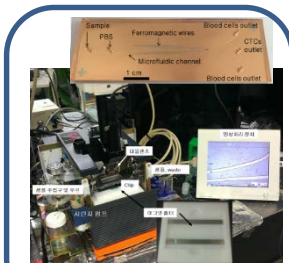
Portable Urine analyzer



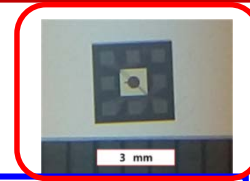
Tech. transfer, commercialization

2010'

Cytometer



MEMS Gas sensor



Electronic nose tech.



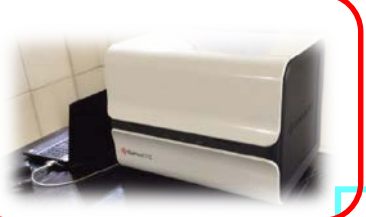
KBS9 hr. main news (2019.10.)

Prototype, Tech. Transfer)

2016'

Prototype (Tech. Transfer, Ongoing Clinical Test)

2014'

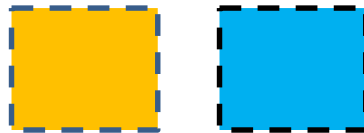


# ETRI Biz. Tech. Companies for COVID-19

## ■ Sugentech (rapid kit)



IgG kit (US FDA EUA), IgG/IgM kit



- Ag kit
- neutralizing Ab kit
- COVID-19, Influenza A/B, multi-kit

- ✓ 2011' Tech. Transfer & ETRI tech. biz. Company listing
- ✓ 2012'~ have done commercialization projects
- ✓ 2016' KONEX Listing
- ✓ 2019' May, KOSDAQ listing
- ✓ 2020' Exporting COVID19 Abs, Ag, test kits

## ■ Genesystem (rt-PCR)



UF-300

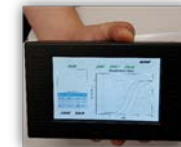
Very fast rt-PCR (< 30 min) and kit package  
Test kits (COVID-19 only,  
Multiplexing (COVID-19, Influenza A/B))



UF-100



UF-150



UF-200



Coming...

- ✓ 2015' Tech. Investment & ETRI tech. biz. Company listing
- ✓ 2016'~2018' done commercialization projects
- ✓ CE-IVD registrations 2018'
- ✓ 2020' Exporting COVID-19 rt-PCR device/ test kits
- ✓ 2021' KOSDAQ listing scheduled