



Disclaimer

Any statement in this presentation about our expectations, beliefs, plans, objectives, assumptions or future events or performance are not historical facts and are forward- looking statements. These statements are often, but not always, made through the use of words or phrases such as "believe", "will", "expect", "anticipate", "estimate", "intend", "plan" and "would".

For example, statements concerning proposed financial guidance, macroeconomic conditions, future results of operations, growth opportunities, product development, clinical trials, regulatory timelines and approvals, industry ranking, plans and objectives of management, the market for our stock, and future management and organization structure are all forward-looking statements.

Forward-looking statements are not guarantees of performance and involve both known and unknown risks, uncertainties and assumptions that may impact actual results. Levels of activity, performance or achievements may differ materially from those expressed or implied.

Seegene assumes no obligation and expressly disclaims any duty to update any forward-looking statements based on events after the date of this presentation or to reflect subsequent events.

Agenda

2021 Q2 Business Performance

- Q2'21 Highlights
- Q2'21 Financial Review
- Sales and OP Trend
- Sales Breakdown by Product Type
- Equipment Sales
- Sales Breakdown by Region
- Summarized B/S and C/F
- Financial Ratio
- [Appendix] Company Overview
 - ❖ Introductions of company including key products and core technology

2021 Q2 Business Performance



Q2'21 Highlights

- 2Q Revenue KRW 303.7 B: YoY 11% growth
 - Gross Profit(margin): KRW 222.2 B(73%), Operating Profit(margin): KRW 144.2 B(47%), Net Income(margin): KRW 116.7 B(38%)
- 1H Revenue KRW 655.5 B: YoY 84% growth, 58% achievement based on annual revenue FY2020
 - Gross Profit(margin): KRW 491.6 B(75%), Operating Profit(margin): KRW 338.6 B(52%), Net Income(margin): KRW 280.9 B(43%)

Product & Market

- AllplexTM SARS-CoV-2 Variant II Assay, AllplexTM SARS-CoV-2/P681R Assay (RUO)
- Launch variant virus screening kit detecting major variants including Delta and Delta Plus
- Showcased on-site mobile laboratory MOBILE STATION at 'Medlab 2021' (June)
- UAE based G42 Healthcare signed MOU for MOBILE STATION (June)
- Korea Advanced Institute of Science and Technology(KAIST) signed joint research business agreement for next-generation molecular diagnostics platform (July)
- Bio-RAD signed partnership agreement for the clinical development and commercialization of diagnostic tests (July)
 - New partnership to seek U.S.FDA clearance and to drive U.S market opportunity
 - Bio-RAD to streamline FDA process for 8 multiplex diagnostic assays starting in late 2022 to aim the product launch in early 2023, targeting U.S. market
- Notable signed deals: Gov't contract of mass-testing in Italy, Germany, Scotland, Kuwait, etc. totaling approx. USD 160mn
- **Key sales growth countries:** (QoQ) Asia: Vietnam(123%), Thailand(103%), Singapore(45%)

South America: Chile(180%), Columbia(163%), Brazil(130%)



Q2'21 Financial Review

(Unit: B KRW)	H1'21	Q2'21	Q1'21	Q2'20	QoQ	YoY	
Revenue	655.5	303.7	351.8	274.8	-14%	11%	
Cost of Good Sold	163.9	81.5	82.4	68.2			•
(%)	25%	27%	23%	25%			
Gross Profit	491.6	222.2	269.4	206.6	-18%	8%	
SG&A Exp.	138.7	78.0	60.7	32.0			
(%)	21%	26%	17%	12%			
R&D Exp.	33.2	18.5	14.7	5.6			
(%)	5%	6%	4%	2%			
Operating Profit	338.1	144.2	193.9	169.0	-26%	-15%	
(%)	52%	47%	55%	61%			
Non-Operating Gain/Loss	12.3	5.9	6.5	6.8			
Currency Exchange Gains (Loss)	12.3	9.9	2.5	(1.6)			
Income/(Loss) from Affiliates	6.1	2.0	4.1	9.5			٠
Other Non-Opearting Inc. (Exp.)	-6.1	(6.0)	(0.1)	(1.0)			
Pretax Income	350.4	150.0	200.4	175.8	-25%	-15%	ŀ
(%)	53%	49%	57%	64%			
Income Tax Exp.	69.5	33.3	36.2	44.2			٠
Net Income	280.9	116.7	164.2	131.6	-29%	-11%	
(%)	43%	38%	47%	48%			

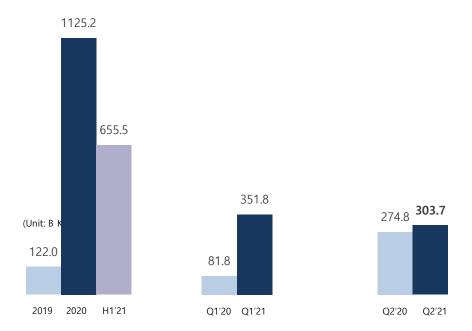
- Sales KRW 303.7B (YoY ▲11% & QoQ▼14%)
 - Topline jumped 11% YoY, slid 14% QoQ
- Moderate slide in sales due to a modified pricing policy in reinforcing the market position as well as elevated inoculation rate in European countries
- Operating Profit KRW144.2B (YoY ▼ 15% & QoQ ▼26%)
 - Operating profit scaled back 15% YoY, 26% QoQ
 - Operating profit and OPM trimmed due to diminished sales and higher investments (talent acquisition and R&D) in future growth engine
- Non-operating Gain/Loss KRW 5.9B
 - **Income Tax Expense of KRW 3.3B**
- Net profit KRW116.7B (YoY ▼ 11% & QoQ ▼29%)



Sales & Operating Profit Trend

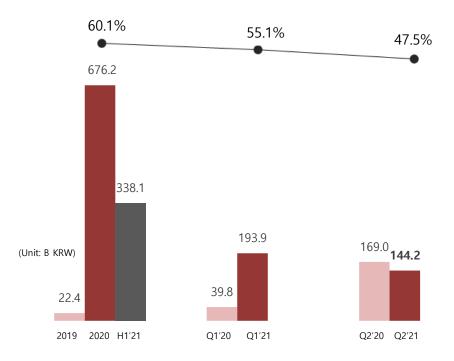
🔗 Sales Trend

- H1'21 sales alone achieved 58% of FY2020 Sales
- Recorded 11% YoY increase and 14% QoQ drop in Revenue
 - **❖** Abating testing demands due to incremented vaccination rate among European countries
 - Modification of pricing policy in expanding company's global market share



Operating Profit & OPM Trend

- Reported a 15% YoY / 26% QoQ decline in Operating profit
- OPM tumbled 8% p QoQ
 - Decline in OPM attributed to reduced topline and inclined investments buoyed by SG&A/R&D cost for robust longterm growth





Sales Breakdown by Product Type

4

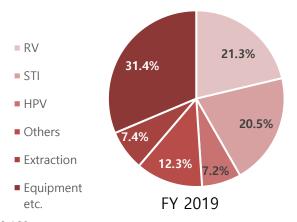
Reagent/Equipment Sales

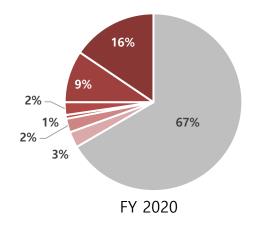
- H1'21 COVID-19 Assays sales share down 2%p over FY'20
- Q2'21 Non-COVID Assays sales up QoQ by 5.4%

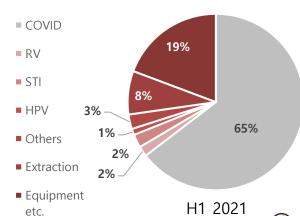
(Unit : KRW Billion)	Q1'20	Q2'20	Q3'20	Q4'20	FY2020	Q1'21	Q2'21
Reagent	58.4	232.1	283.2	376.7	950.5	282.5	246.6
- COVID	26.4	195.1	219.6	308.2	749.3	224.8	198.8
- Non-COVID	27.6	14.1	26.2	26.7	94.7	25.9	27.3
RV	9.5	6.3	8.7	8.1	32.6	7.2	5.1
STI	8.3	3.7	7.5	8.6	28.1	7.5	8.5
HPV	1.5	0.3	2.8	3.1	7.7	3.5	4.0
Others	8.3	3.8	7.1	6.9	26.2	7.7	9.7
- Extraction	4.3	22.9	37.4	41.8	106.5	31.8	20.5
Equipment etc.	23.4	42.7	43.6	65.0	174.7	69.3	57.1
Total	81.8	274.8	326.9	441.7	1,125.2	351.8	303.7

^{*}Equipment etc.: equipment, accessories, service

Reagent/Equipment Sales Contribution Trend









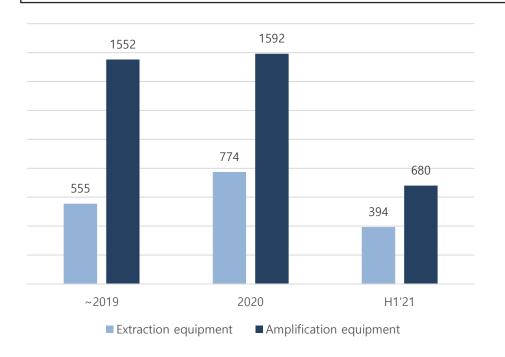
Equipment Sales



Highlights

H1'21 1,168 units sold(extraction • amplification)

- Q2'21, extraction equipment (STARlet, NIMBUS, etc.) 228units; amplification equipment (CFX96) 351units newly installed
- Equipment installation growth in emerging markets including Asia(Malaysia, Thailand) and Central-South America(Chile, Brazil)
 - X Central-South America: FY2020 proportion, Extraction 15%/ Amplification 11% → H1'21, Extraction 26%/ Amplification 25%
 - X Asia: FY2020 proportion, Extraction 11%/ Amplification 15% → H1'21, Extraction 12%/ Amplification 21%









Sales Breakdown by Region

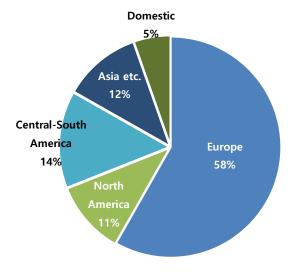
Sales by Region

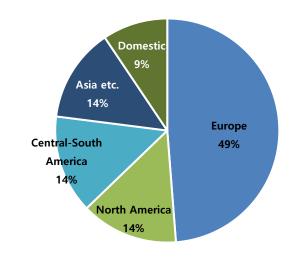
- Europe regional sales shares down (-9%p)
- North America and Asia regional sales shares up (+3%p and +2%p, respectively)

(Unit: KRW B)	Q1'20	Q2'20	Q3'20	Q4'20	FY 2020	Q1'21	Q2'21	QoQ	YoY
Europe	53.4	109.2	198.8	293.8	655.3	221.6	148.1	▼33.2%	▲35.7%
North America	5.5	25.3	32.9	57.4	121.1	43.6	42.6	▼2.2%	▲ 68.7%
Central-South America	2.6	79.1	42.6	35.7	160.0	25.2	43.2	▲71.2%	▼45.4%
Asia etc.	9.7	50.6	35.7	32.4	128.3	34.1	41.2	▲ 20.8%	▼18.5%
Domestic	10.5	10.7	16.8	22.5	60.5	27.2	28.6	▲ 5.3%	▲ 167.8%
Total	81.8	274.8	326.9	441.7	1,125.2	351.8	303.7	▼13.7%	▲ 10.5%

^{*} Asia etc.: Asia, Africa, Oceania

Regional Sales Contribution Trend





🔗 Seegene

Summarized B/S and C/F

(Unit: KRW B)

	Category	Q2'21	Q1'21	Q2'20
Assets		1,227.1	1,229.0	500.1
	· Cash and Equivalents	264.0	312.5	117.0
	· Account/other Receivables	240.6	285.7	190.1
	· Inventory	280.6	221.9	63.3
	· Accounts Receivable Long-Term	23.8	22.9	10.8
	· Gross PP&E	208.4	199.3	44.9
	· Other Assets	209.6	186.8	73.9
	Total Assets	1,227.1	1,229.0	500.1
Liabilities		355.3	458.1	190.3
	· Account/other Payables	114.0	173.6	80.7
	· Short-term Borrowings	39.5	37.0	7.5
	· Curr. Port. Of LT Debt	0.9	0.8	0.9
	· Income Taxes Payable	86.9	140.0	53.2
	· Long-Term Debt	43.9	44.1	1.4
	· Other Liabilities	70.1	62.7	46.6
Equity		871.9	770.9	309.8
	· Common Stock	26.1	13.1	13.1
	· Additional Paid In Capital	42.5	67.0	68.2
	· Retained Earnings	801.6	690.0	227.3
	· Minority Interest	2.0	0.7	1.3
To	otal Liabilities and Equity	1227.1	1229.0	500.1

(Unit: KRW B)

Category	Q2'21	Q1'21	Q2'20		
Beginning Cash Balance	312.5	308.1	49.1		
Cashflow From Operations	17.0	17.0 23.0			
· Net Income	116.7	164.2	165.3		
· Change in Net Capital Mngt	(41.1)	(106.8)	(111.4)		
· Income Tax Paid	(97.9)	(76.7)	(13.9)		
Cashflow From Investments	(13.5)	(13.5) (17.0)			
· Sale (Purcahse) of PP&E	(8.2)	(16.1)	(24.6)		
· Sale (Purchase) of Intangible Assets	(3.3)	(0.3)	(0.5)		
Cashflow From Finance	(54.0)	(3.4)	(2.6)		
· Short Term Debt Issued (Repaid)	2.5	(0.2)	1.7		
· Long Term Debt Issued (Repaid)	0.2	(0.2)	0.1		
· Repurchase of Common Stock	(14.6)	-	-		
· Dividends Paid	(39.0)	-	(2.6)		
Net Change in Cash	(48.5)	4.3	67.9		
Ending Cash Balance	264.0	312.5	117		



Key Ratios

Profitability Ratios	Q2'21	H1'21
ОРМ	47.5%	51.6%
Net Profit Margin	38.4%	42.9%
EBITDA Margin*	49.9%	53.8%
ROE	56.8%	74.0%
Profitability (Net Profit/Sales)	0.38	0.43
Asset Turnover (Sales/Asset)	0.99	1.13
Leverage (Asset/Equity)	1.51	1.52

^{*} EBITDA = Operating profit + Depreciation + Amortization

Liquidity Ratios	Q2'21	H1'21
Current Ratio (Current Asset/Current Liabilities)	318.7%	318.7%
Debt Ratio (Total Debt/Equity)	40.8%	40.8%
Borrowing Ratio (IBD*/Equity)	9.7%	9.7%
Inventory Turnover**	5.8x	6.2x

^{*} Total Borrowing: Total Interest-Bearing Debt including Lease Payment ** Inventory Turnover: [Annualized Sales \div {(Beg.Inv + End. Inv) \div 2}]





The Global Leader in Multiplex Molecular Diagnostics

[Appendix] Company Overview

- About Company
- Stock Information
- Multiplex Molecular Diagnostics Solution
- Top selling Multiplex Assay
- COVID-19 Variants Assay
- HPV Assay
- R&D Capability and Competitiveness
- Product Expansion (Assay Menu and Equipment)
- Assay Pipeline and Approval Status
- Global IVD outlook
- Global MDx segment outlook
- Seegene's Proprietary PCR Technologies: DPOTM, TOCETM, MuDTTM, mTOCETM

About Company

Seegene Inc.

• CEO/CTO: Dr. Jong-Yoon Chun

Established: Sept. 15, 2000 / Listed: Sept. 10, 2010

Capital: KRW 13,117mn

• Number of employees: 897 (HQ, as of Jun. 30, 2021)

• Product: Molecular Diagnostics (MDx)Reagent

Key proprietary MDx technologies:
 DPO™(2004), TOCE™(2011), MuDT™(2015)

Main Products

Reagent Product



DNA/RNA Extraction Kit Multiplex Assay

- Infectious Disease
- Antibiotic-resistance Typing
- SNP Genotyping

Equipment



🗲 Global Network

7 Foreign subsidiaries(Employees: 198) ** including 7 HQ dispatched Italy, UAE, US, Canada, Germany, Brazil, Mexico

Over 100 distributors worldwide

Subsidiaries	Date of est.
Arrow Diagnostics (Italy)	Jan. 2014
Seegene Middle East (UAE)	Oct. 2014
Seegene Technologies (USA)	Apr. 2015
Seegene Canada (Canada)	Jul. 2015
Seegene Mexico (Mexico)	Apr. 2016
Seegene Germany GmbH (Germany)	Jul. 2016
Seegene Brazil (Brazil)	Jun. 2019

Foreign Offices





Stock Information

Snapshot

Ticker: 096530 (KOSDAQ)

Shares Outstanding: 52,225,994

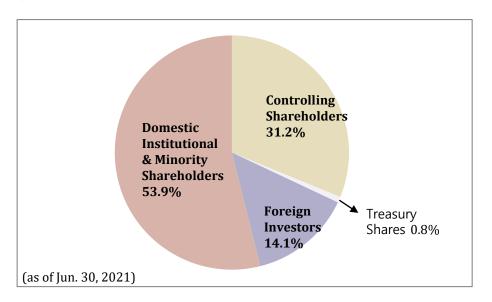
• Par value: KRW 500

• Market Cap: KRW 4.32 Tr (as of Jun. 30, 2021)

• Avg. Daily Trading Volume: 1,651,352 (Most recent 3months avg.)

• 52 week High / Low: KRW 104,700 / 60,600

Shareholder Structure



Voting Right Status

Classification	Type of Shares	# of Shares	Note
Charge Outstanding (A)	Common Shares	52,225,994	-
Shares Outstanding (A)	Preferred Shares	-	-
Non-Voting Shares(B)	Common Shares	430,521	Treasury Stock
Trom voting shares(e)	Preferred Shares	-	-
Vation Channel (C. A. B.)	Common Shares	51,795,473	-
Voting Shares(C=A-B)	Preferred Shares	-	-

 \times As of April 26, '21, the total number of shares increased from 26,234,020 shares to 25,991,974 shares as a result of the free capital increase (100%)

Dividend Payout

Classification	Classification 2019 2020		
Dividend Payment (Unit: mm KRW)	2,599	38,988	20,718
Div. Per Share (Unt: KRW)	100	1,500	400

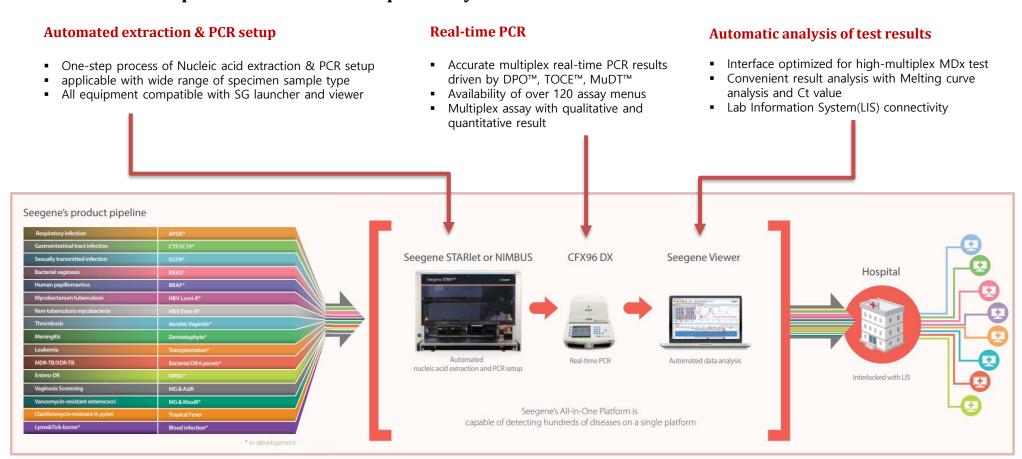
 \times As quarterly dividends are implemented from the 2nd quarter, the 2nd quarter dividend is the amount that takes into account the unpaid 1st quarter.



Multiplex Molecular Diagnostics Solution

All MDx Assays in One Platform

Seegene's All in One Platform provides one-step testing solution via single platform compatible with all SG multiplex assay menu



Top selling Multiplex Assay



H.pylori-ClaR ACE Detection

VRE ACE Detection

RV15 Onestep ACE Detection

RV15 ACE Detection

MTB/NTM ACE Detection

STI Master ACE Detection

STD6 ACE Detection

Diarrhea-V ACE Detection

Diarrhea-B1 ACE Detection

Diarrhea-B2 ACE Detection

HPV4A ACE Screening

HSV2 ACE Detection

Meningitis-V1 ACE Detection

Meningitis-V2 ACE Detection

Meningitis-B ACE Detection

Leukemia BCR/ABL

ApoE ACE Genotyping



AnyplexTM

High Multiplex Real-time PCR line

CT/NG Real-time Detection

FluA/B Typing Real-time Detection

MERS-CoV (upE & orf1a)
Real-time Detection

BRAF V600E Real-time Detection

VanR Real-time Detection



AnyplexTM II

High Multiplex Real-time PCR line

HPV28 Detection

HPV HR Detection

RV16 Detection

RB5 Detection

MTB/MDR Detection

MTB/XDR Detection

MTB/MDR/XDR Detection

STI-7 Detection

STI-5 Detection

Thrombosis SNP Panel Assay



AllplexTM

The Next Generation Real-time PCR line

Respiratory Panel Assays

RV Essential Assay

SARS-CoV-2 Master Assay

SARS-CoV-2 Variant I Assay

SARS-CoV-2 Variant II Assay

SARS-CoV-2/FluA/B/RSV Assay

MTB/MDRe Detection

MTB/MDR/XDRe Detection

Gastrointestinal Panel Assays

GI-Helminth(I) Assay

GI-EB Screening Assay

Entero-DR Assay

STI/BV Panel Assays

STI Essential Assay Q (MH, UU)

Vaginitis Screening Assay

Bacterial Vaginosis plus Assay

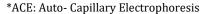
CT/NG/MG/TV Assay

MG & AziR Assay

MG & MoxiR Assay

H. pylori & ClaiR Assay

Meningitis Panel Assays





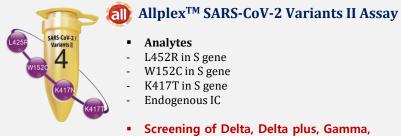
COVID-19 Variants Assay



AllplexTM SARS-CoV-2 Variants I Assay

- Analytes
- RdRP gene
- E484K in S gene
- N501Y in S gene
- HV69/70 deletion in S gene
- Endogenous IC

Screening of COVID-19(wild type), Alpha, **Beta and Gamma variants**



CE-IVD

Analytes

- L452R in S gene
- W152C in S gene
- K417T in S gene
- Endogenous IC

 Screening of Delta, Delta plus, Gamma, **Beta and Epsilon variants**

Produ	ıct	Target						Detection					
	тм	N501Y											
Allplex ¹ SARS-Cov Variant	V-2	69/70del											
variano		E484K											
		L452R											
Allplex		W152C											
SARS-Cov Variant		K417N											
		K417T											
Novaplex SARS-CoV- P681R (R	/-2 /	P681R											
Assoc	ciate '	Variants	B.1.1.7	P.1	P.2	B.1.351	B.1.525	B.1.429/ B.1.427	B.1.617.2	B.1.617.2.1	B.1.618	B.1.526.1	P.3
			UK	BR	BR	SA	NG	US	IND	IND	IND	US	PHIL
W	VHO L	abel	Alpha	Gamma	Zeta	Beta	Eta	Epsilon	Delta	Delta Plus	-	Iota	Theta

HPV Assay

Comparison of Cervical cancer (HPV) Products "Much more informative with 1 product"

PV16 HPV18 HPV31 HPV31 HPV31 HPV51 HPV45 HPV56 HPV56 HPV56 HPV58 HPV59 HPV68 HPV59 HPV68 HPV6



WHO LabNet 2014 HPV DNA Proficiency study, 2015 IPV conference, Portugal, 2015

- 100% proficiency at all 11 Lab participants.
- Detection of all 5 HPV subtypes and its multiple co-infection
- The best Results regarding Sensitivity, Specificity and Reproducibility

Type of HPV assay	No. of datasets	100% proficient	99-90%	89-80%	<80 %	Not proficient
All assays	148	89	14	9	5	31
Anyplex II HPV28 (Seegene)	11	11	0	0	0	0
Onclarity (BD)	5	5	0	0	0	0
Linear Array (Roche)	14	7	1	1	0	5
HPV Direct Flow-chip (Master Diagnostica)	14	9	0	0	0	5
Papillocheck (Greiner)	5	4	0	1	0	0
CLART HPV 2/3 (Genomica)	4	0	1	1	2	0
In- house PCR (Luminex)	8	3	1	1	0	3
Realtime PCR (Abbott)	3	1	0	2	0	0

R&D Capability and Competitiveness

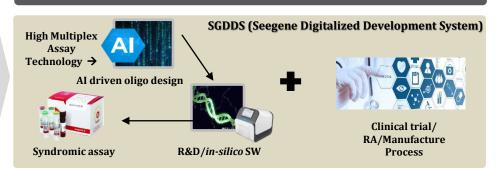
Value creation by combining core technology and diagnostic data

BT(bio-technology) + IT(Info-technology)



Establish standardized product development process

Standardized Development



Accumulation of diagnostic data generated by SG One Platform

Full Automation Platform



Full Automation One Platform with syndromic assay menu



 Provision of automatic data analysis for diagnostic result data via SG STATS Target market oriented syndromic assay development

Developed in Local for Local

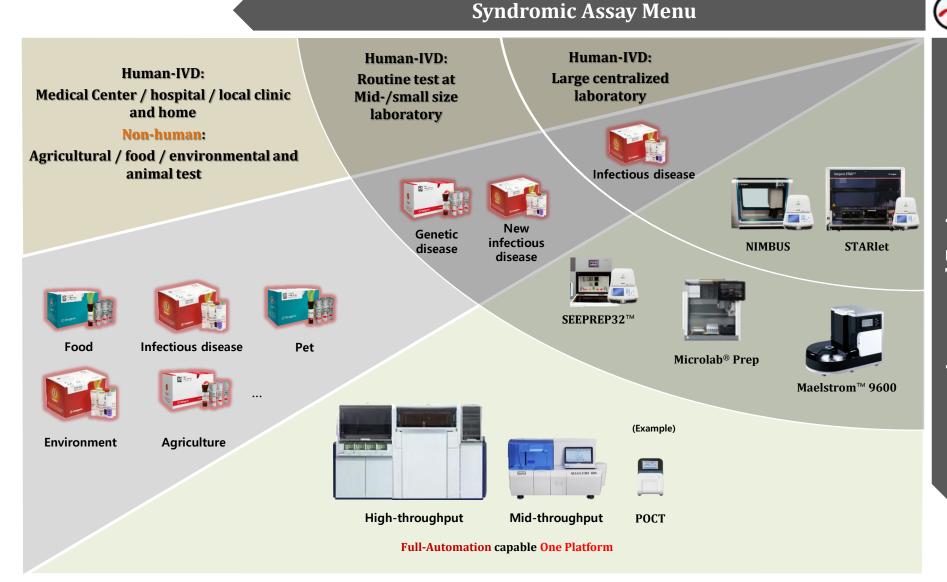
- Collaboration with local developers managed by overseas office
- Tailor-made
 SG syndromic assay development





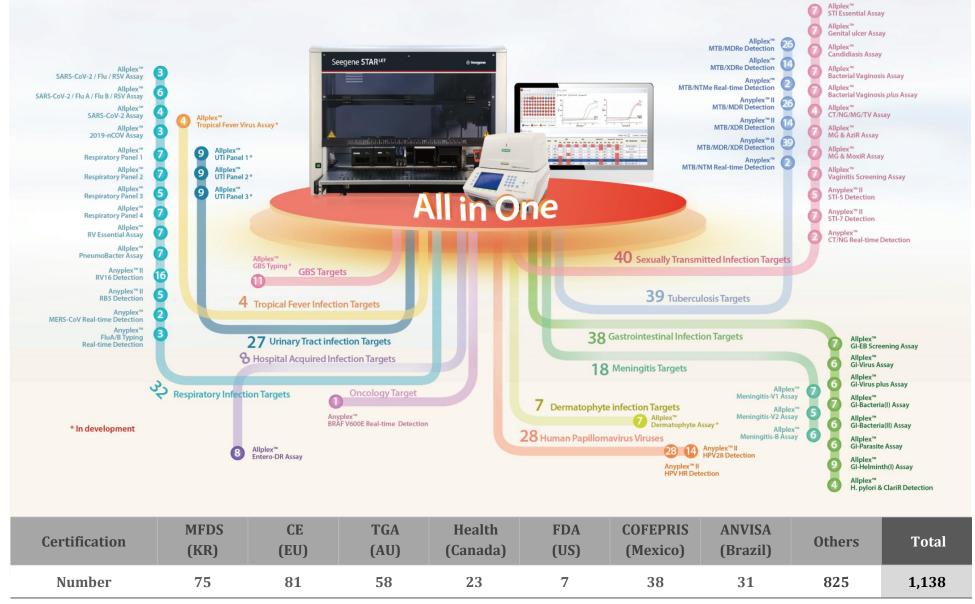
Automated Equipment

Product Expansion (Assay Menu and Equipment)





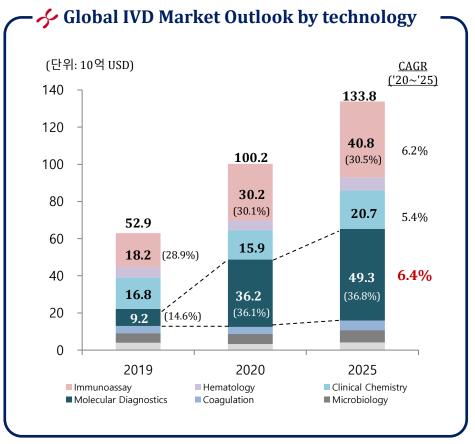
Assay Product Pipeline and Approval Status



Global In-vitro Diagnostics(IVD) Market Outlook

✓ Global IVD Total Value: 100.2 B USD (2020); 133.8 B USD (2025), CAGR: 6.0% (Grand View Research, 2021)





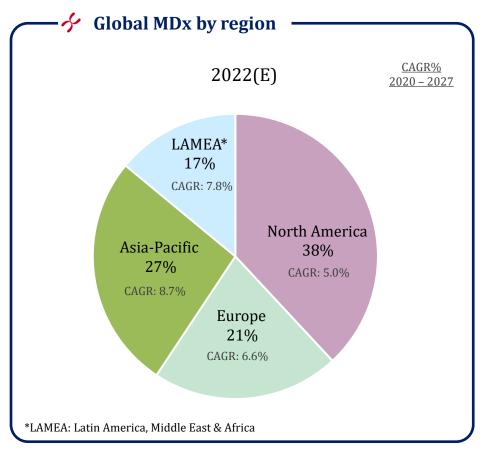
Source: Grand View Research (2021)

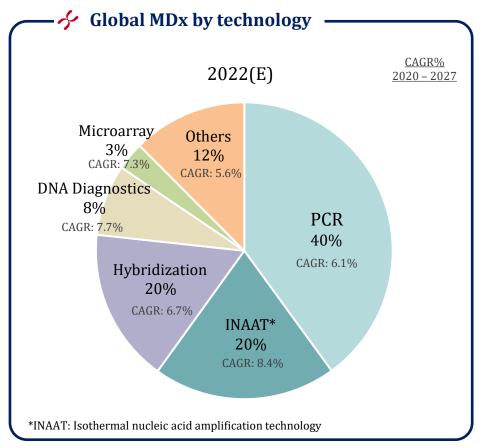
Source: Seegene, Grand View Research (2021)



Global Molecular Diagnostics(MDx) Segment Outlook

Global MDx Total Value: 36.2 B USD (2020); 49.3M USD (2025), CAGR: 6.4% (Grand View Research, 2021)





Source: Market Allied Research (2020)

Source: Market Allied Research (2020)



Seegene's Proprietary PCR Technology

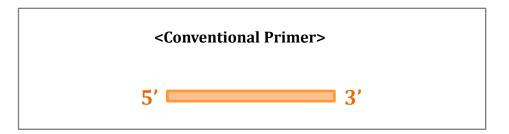
Amplification Detection Analysis AllplexTM **AnyplexII**TM **Seeplex**TM **MuDT**TM **TOCE**TM **Tagging Oligonucleotide Dual Priming Oligonucleotide Multiple Detection Temperatures Cleavage & Extension** 2014 2006 2011 ✓ Provide multiple Ct values in one channel A polydeoxyinosine Linker Multiple Ct Value in a single channel * International patent application completed 3'-end portion (Determiner) 5'-end portion (Stabilizer) Diagnostic technology that expands Polydeoxylnosine Linker the ability to amplify multiple genes at the same time √ Only target genes can be specifically amplified through Multiple melting peaks with Elaborately Defined Tm Values in a single channel **Dual Priming** X Currently patented in over 40 countries **Multiplex Target Amplification with Dramatic Specificity**

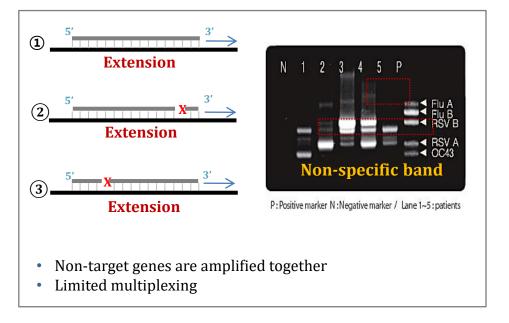


X Currently patented in over 40 countries

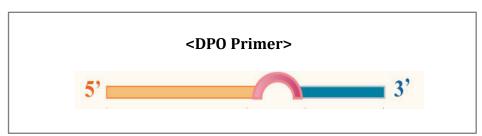
DPO™ (**Dual Priming Oligonucleotide**)

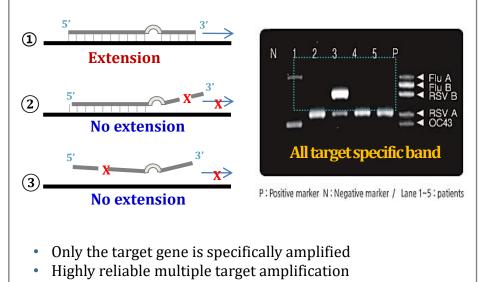
Conventional PCR





DPO PCR

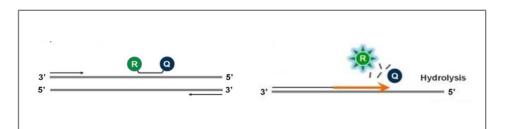




Multiplex + High Accuracy = Realization of Multiplex MDx

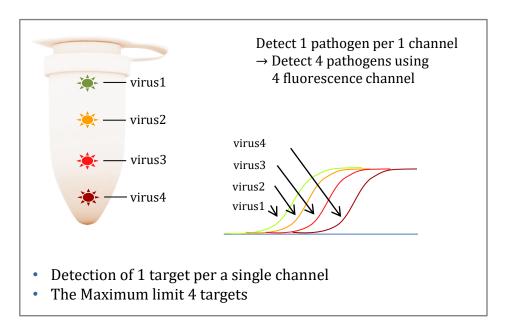
TOCE™ (Tagging Oligonucleotide Cleavage & Extension)

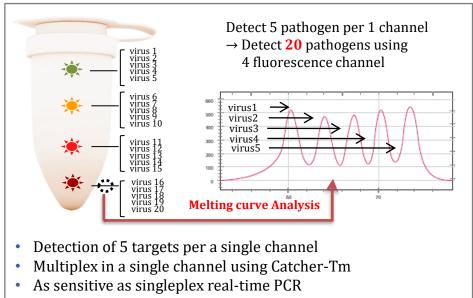
Conventional Real-time PCR





TOCE Real-time PCR





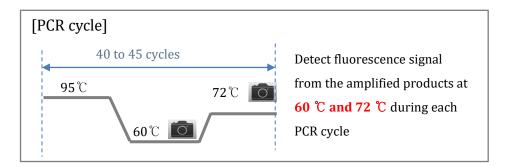
High Multiplex Real-time PCR + Quantitative Analysis (Melting Curve Analysis)

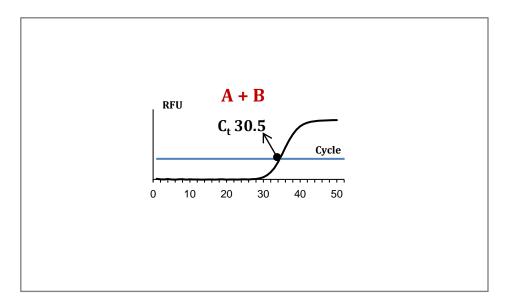
MuDT™ (Multiple Detection Temperatures)

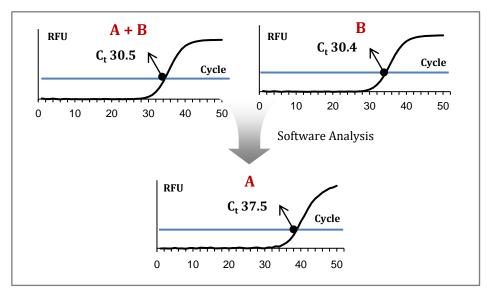
Conventional Real-time PCR

[PCR cycle] 40 to 45 cycles 95 $^{\circ}$ 72 $^{\circ}$ Detect fluorescence signal from the amplified products at 72 $^{\circ}$ during each PCR cycle

MuDT Real-time PCR



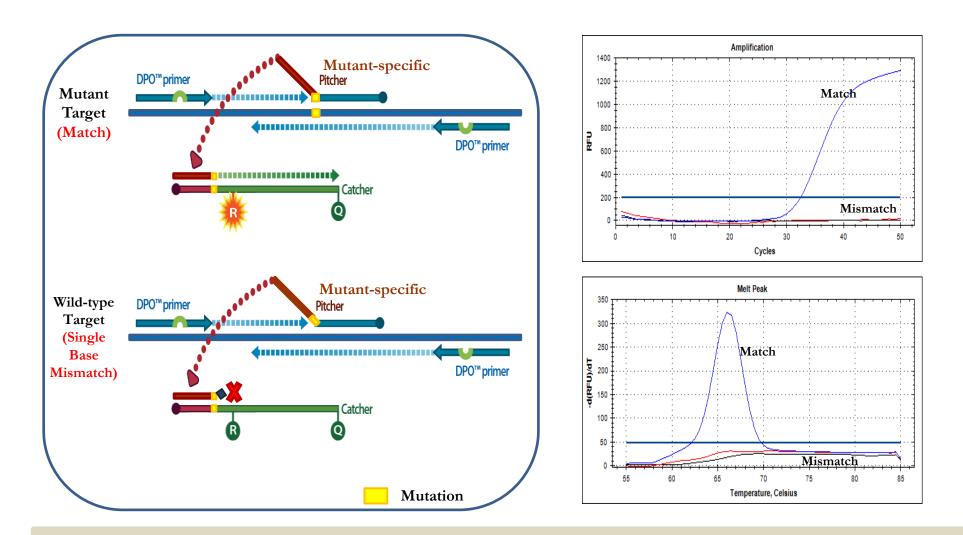




Multi qualitative/quantitative Analysis in Single channel = Multi Ct value in Single channel



mTOCE™ - Mutation Detection



Identical results amid unique and various melting temperatures → Enables detection of numerous variants

