





August 2022



Disclaimer

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This presentation contains certain forward-looking statements and information relating to us and our subsidiaries that are based on the beliefs of our management as well as assumptions made by and information currently available to our management. When used, the words "aim," "anticipate," "believe," "could," "estimate," "expect," "going forward," "intend," "may," "might," "ought to," "plan," "potential," "predict," "project," "seek," "should," "will," "would" and the negative of these words and other similar expressions, as they relate to us or our management, are intended to identify forward-looking statements.

Forward-looking statements are based on our current expectations and assumptions regarding our business, the economy and other future conditions. We give no assurance that these expectations and assumptions will prove to have been correct. Because forward-looking statements relate to the future, they are participant to inherent uncertainties, risks and changes in circumstances that are difficult to predict. Our results may differ materially from those contemplated by the forward-looking statements. They are neither statements of historical fact nor guarantees or assurances of future performance. We caution you therefore against placing undue reliance on any of these forward-looking statements. Any forward-looking statement made by us in this document speaks only as of the date on which it is made. Factors or events that could cause our actual results to differ may emerge from time to time, and it is not possible for us to predict all of them. Participant to the requirements of applicable laws, rules and regulations, we undertake no obligation to update any forward-looking statement, whether as a result of new information, future events or otherwise. All forward-looking statements contained in this document are qualified by reference to this cautionary statement.

Clover is a Global Innovative Biotechnology Company that Aspires to Empower Humanity August 2022 with a Healthier Future Through Transformative Science

-- Corporate Snapshot --



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Validated Trimer-Tag™ Technology Platform

Establishment of Additional Drug Discovery Platforms Ongoing (including monoclonal antibody and in-house vaccine adjuvant)

Global rights to all pipeline programs

Focused on Vaccines & Oncology (Disease Immunology)

COVID-19 Vaccine Candidates

SCB-2019 (CpG 1018/Alum) (Prototype S-TrimerTM)

SCB-2020S (Beta/Prototype Chimeric S-Trimer[™])

Bivalent (Omicron + Prototype S-TrimerTM)

Oncology

SCB-313 (Intracavitary Malignancies)

SCB-219M (Chemotherapy-Induced Thrombocytopenia)

840+ FTEs

Across 15 Countries

(As of Aug 24, 2022)

~\$328 Million

Cash & Cash Equivalents

As of Aug 24, 2022 (RMB 2.25 Billion)

-- SCB-2019 (CpG 1018/Alum): Potentially Differentiated COVID-19 Vaccine Candidate --

Attractive Product Profile for Global Markets as a Universal Booster & for Primary Vaccination



High & Durable Vaccine Efficacy

(100% Efficacy Against Severe COVID-19 & Hospitalization | Durable Efficacy at 5-Months)



Potential Bestin-Field Safety

(Favorable Safety & Reactogenicity Profile)



Convenient Storage

& Distribution

(Stable at 2-8°C Refrigeration and Room Temperature)

Global Collaborations

- Up to \$397.4 million grant funding from CEPI
- Advanced Purchase Agreement (APA) signed with Gavi to supply up to 414 million doses to the OOVAX facility for global distribution

Regulatory Submissions & Commercial Launch

- Regulatory Submissions anticipated to be completed in <u>Second Half of 2022</u> for the China NMPA, EMA and WHO
- Product launches commencing thereafter upon receiving conditional approvals



Global Footprint: Business & Leadership Without Borders

Integrated R&D, Manufacturing & Global Clinical Development Capabilities



888 840+ FTEs (in 15 Countries)

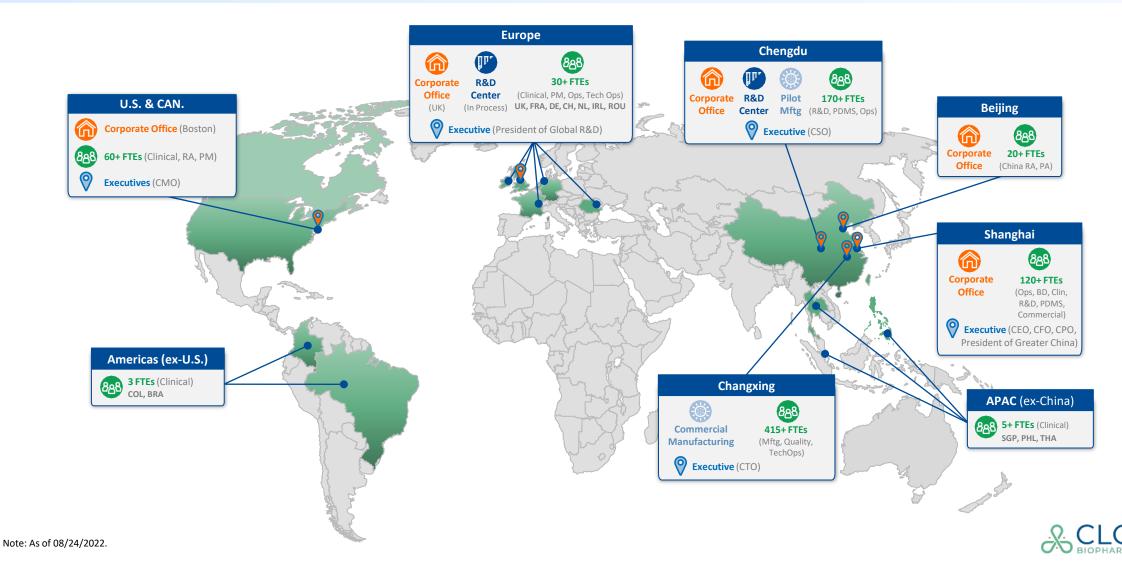




2 Manufacturing Facilities



2 R&D Centers



Diverse Global Leadership Team with Proven Expertise

CEO



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Joshua Liang

Chief Executive Officer (CEO) & **Executive Director of the Board**

CENTER VIEW Wharton

Founders



Liang, PhD





Xiaodong Wang, PhD

Non-executive Director





Htay Htay

Han, MBBS

Smolenov,





Mike

Berry, PhD



R&D and Tech Ops Leaders



Nicholas



President of Global R&D



Yang

SVP, Process Development

& Manufacturing Sciences

Celgene Bristol Myers Squibb



LiongHo

President of Greater China





SVP, Antibody Discovery

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Liang, PhD

















Operations Officer (CTOO)

Chief Technical



Affairs

SANOFI 🧳







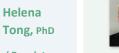
EVP, Global Head of

Research

SANOFI 🧳

Nicolas

Burdin, PhD







Andrew Baker

Aileen

Wang

Chief Financial Officer

G W









Brian Krex







Cindy

Min

SVP, Public Affairs

janssen 7 Ogilvy









Abigail Bracha, PhD









Wang

SVP, Head of China **Regulatory Affairs** parexel SANOFI 🧳









SVP, Vaccine Research

SVP, Global Clinical

Development - Vaccines





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Board of Directors*



Jeffrey Farrow

Independent Non-Executive Director (INED)





Thomas Leggett









Xiang (Sam) Liao





Xiaobin Wu, PhD



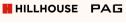






Non-Executive Director (NED)

Dong





MD/PhD Non-Executive Director (NED) 6 NOVARTIS









Vaccine Scientific Advisory Board (SAB)

Industry-leading advisors across a broad range of expertise | Advise and guide overall global COVID-19 vaccine development strategy

SAB Chairman



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Ralf Clemens MD/PhD Chairman of SAB

- 30+ years in vaccine development
- Former Senior Vice President / Global Head of Vaccine Development at Takeda, Novartis Vaccines and GSK
- · Member of Board of Trustees of International Vaccine Institute
- Advisor, Bill & Melinda Gates Foundation (BMGF)







Kaia Agarwal



- Former VP, Global Head of Reg Affairs, **Novartis Vaccines**
- Former VP, Reg Affairs, Genzyme







Donna Ambrosino MD

Research Advisor

- Scientific Advisor, BMGF & CEPI
- Former CEO, Mass Biologics
- Former Assoc. Professor of Pediatrics. Harvard











SAB Members

Sue Ann Costa Clemens

Clinical Dev Advisor

- Visiting Professor of Global Health, Oxford University Professor & Head of Institute for Global Health,
- Universita di Siena Former VP of Vaccine Dev (Latin America), GSK

UNIVERSITÀ DI SIENA 1240



Pierre Desmons PhD

CMC Advisor

- Former VP, Head of R&D China, GSK
- · Former Head of Asia Strategic Partnership,





Michael Pfleiderer PhD

Reg Affairs Advisor

- · Former Head of Viral Vaccines Section, Paul Ehrlich Institut (PEI)
- · Former Chair of Pandemic Task Force, EMA







Antoinette Quinsaat

Project Mgmt Advisor

- Former Head of Clinical Operations (Intl.), GSK and Novartis Vaccines
- Former Head of Study Mgmt (APAC), Sanofi







Peter Richmond

Medical Advisor

- Head of Pediatrics University of W. Australia
- Head, Vaccine Trials Group, Telethon Kids Institute







Frank Rockhold MD

Biostatistics Advisor

- Professor, Biostatistics & Bioinformatics, Duke
- Former SVP & Chief Safety Officer, GSK







David Salisbury

Public Health Advisor

- Former Director of Immunization, Department of Health (London)
- Former Chair, Strategic Advisory Group on Immunization, WHO







George Siber MD

Research Advisor

- · Co-Founder & Board Member, Affinivax
- Former EVP & CSO, Wyeth Vaccines
- Former Asocociate Professor, Infectious Diseases, Harvard









Nelson Teich MD

Public Health Advisor

- Former Minister of Health, Brazil
- Founder & Former President, Integrated Clinical Oncology Group (COI)







Anh Wartel MD

Clinical Dev Advisor

- Deputy Director General, International Vaccine Institute (IVI)
- Former Country Medical Head (Vietnam/ Cambodia). Sanofi



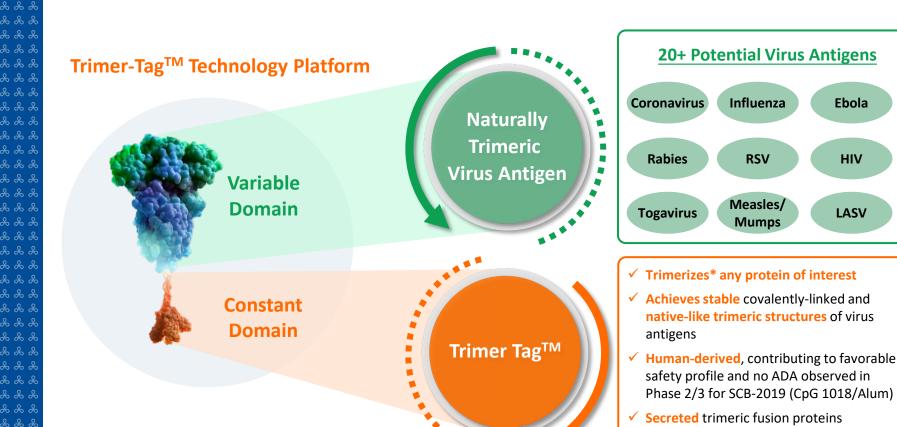
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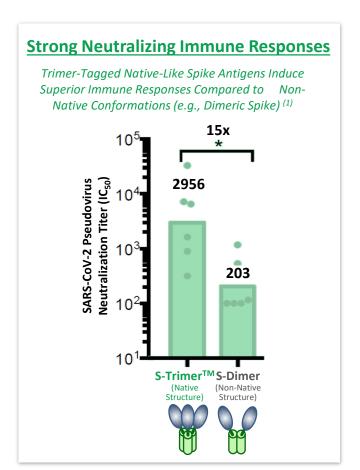




Trimer-TagTM Technology Platform for Vaccine Development

- Platform for development of protein-based vaccines based on naturally trimerization-dependent targets
- Only technology platform globally for producing recombinant covalently-trimerized antigens utilizing a human-derived trimerization tag
- Platform validated by COVID-19 vaccine (SCB-2019) in global Phase 2/3 trial for efficacy & safety



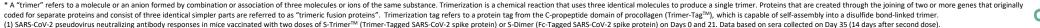


Note: Representative list of viruses with naturally trimeric spike antigens is illustrative and not exhaustive. Abbreviation: ADA (Anti-Drug Antibodies).

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produced in mammalian cells; affinitypurification achieves high antigen purity



Strong Commercial Manufacturing Capabilities

Commercial Manufacturing Infrastructure Established | Building a Global CDMO Network



& CLOVER In-house Commercial Manufacturing Facility (Changxing, Zhejiang Province)



- 4 x 2,000L bioreactor capacity and commercial-scale fill-finish lines
- Received Pharmaceutical Manufacturing Permit from Zhejiang Medical Products Administration; received QP **Declaration** stating the facility operation has been complying with EU GMP standards
- Supplied clinical trial material SCB-2019 (CpG 1018/Alum) for global Phase 2/3 SPECTRA trial
- Capacity to potentially produce hundreds of millions of doses of SCB-2019 (CpG 1018/Alum) annually at peak



Global CDMO Network Established with Experienced, High-Quality Partners (Wuxi Vaccines





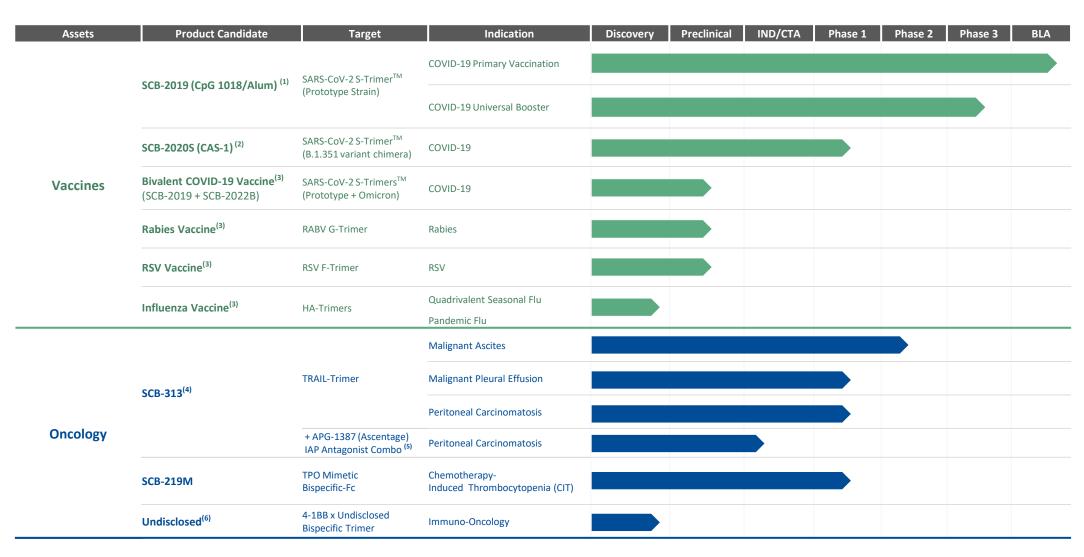


- CDMO partners (China & Ex-China) with GMP sites with strong track record in vaccines/biologics manufacturing and global regulatory inspection experience (EMA, FDA and/or WHO)
- Technology transfer activities from Clover to WuXi Vaccines and BioFabri (Spain) currently ongoing
- Capacity to potentially produce hundreds of millions of doses of SCB-2019 (CpG 1018/Alum) annually at peak



Robust Pipeline of Innovative Vaccine & Oncology Candidates

Key Milestones In 2022: COVID-19 Vaccine (SCB-2019) to Enter Commercial Stage Globally | 2+ New Clinical Stage Programs (SCB-2020S / SCB-219M)



(1) COVID-19 vaccine candidate. Announced on September 2021 SPECTRA met the primary and secondary efficacy endpoints. We expect to obtain conditional approvals in 2022 and commence product launch soon after. (2) SCB-2020S antigen is a chimeric SARS-COV-2 spike protein based on the RBD of Beta variant and the NTD of the prototype strain. This candidate will be evaluated with CAS-1, an in-house developed oil-in-water emulsion-based adjuvant. (3) Other vaccine candidates in early-stage development. (4) Our oncology product candidate for the treatment of malignant ascites (MA), malignant pleural effusions (MPE), and peritoneal carcinomatosis (PC) to address global unmet medical need of intracavitary malignancies. Currently, continued internal development has been paused and pending further assessment of development strategy and resource allocation. (5) On December 9th 2021, we entered a partnership with Ascentage to jointy conduct you candidate is in early-stage development, and we are still assessing the target indications for the treatment of patients with primary or secondary peritoneal carcinomatosis. (6) This oncology product candidate is in early-stage development, and we are still assessing the target indications for the treatment of patients with primary or secondary peritoneal carcinomatosis. (6) This oncology product candidate is in early-stage development, and we are still assessing the target indications for the treatment of patients with primary or secondary peritoneal carcinomatosis. (6) This oncology product candidate is in early-stage development, and we are still assessing the target indications for the treatment of patients with primary or secondary peritoneal carcinomators.

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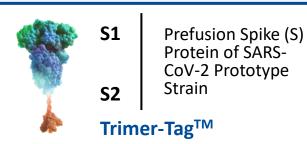
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Clover's COVID-19 Vaccine Candidate: SCB-2019 (CpG 1018/Alum)

-- SCB-2019 (CpG 1018/Alum) Vaccine Design --

- Adjuvanted Protein-Based COVID-19 Vaccine Candidate: SCB-2019 antigen (30 μg/dose) in combination with CpG 1018 adjuvant and aluminum hydroxide (alum)
- SCB-2019 is a recombinant SARS-CoV-2 Spike (S) protein, preserved in the native trimeric prefusion conformation form utilizing Trimer-TagTM technology platform

SCB-2019 Antigen Structure



-- Global Collaborations Established --

- Up to \$397.4 million grant funding by C E P I
- Clinical & commercial supply agreements
 with DYNAVAX for CpG 1018 adjuvant supply
- Advanced Purchase Agreement (APA) signed with Gavi to supply up to over 400 million doses (64 million committed doses) to COVAX facility for global distribution

-- Product Differentiation --



High & Durable Vaccine Efficacy

(100% Efficacy Against Severe COVID-19 & Hospitalization | Durable Efficacy at 5-Months)



Potential Bestin-Field Safety

(Favorable Safety & Reactogenicity Profile)



Convenient Storage& Distribution

(Stable at 2-8°C Refrigeration and Room Temperature)



Attractive Product Profile for Global Markets for Primary Vaccination and as a Universal Booster



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SCB-2019 (CpG 1018/Alum) Development Status

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2 2 2 & & & **Primary Vaccination:**

Positive Ph 2/3 efficacy & safety established in adults & elderly; data in adolescents in 2022



Universal Booster:

Positive initial booster data; multiple data readouts in 2022 & to be included in regulatory submissions

Planning/

Vaccination

Naïve **Populations** (No Prior Vaccination or SARS-CoV-2 Infection)



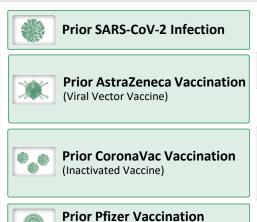
Pediatrics

(<12 Years)

Phase (Location) Recruiting Milestones Data IND/CTA Phase 2/3 SPECTRA SEP-2021: Final Efficacy Data Reported N = 30,000 + (1)(Global) **☑** High Efficacy + Favorable Safety Phase 2 Study Enrollment Completed N = 650 +(China) Phase 2/3 SPECTRA Immunogenicity & Safety N = 1,250+(Global) Data Expected Q3:2022 Phase 3 Pediatric Investigation Plan (PIP) approved Planned (Global) by EMA Pediatric Committee



Heterologous **Booster**



Phase 2/3 SPECTRA (Global) Phase 2 Investigator-Initiated (Brazil) Phase 3 (Global)

3rd Dose (2) Phase 3 (Global) Initiating Enrollment 4th Dose ⁽³⁾

N = 14,500 + (1)

Immuno & Safety Data Expected Q3:2022

Immuno & Safety Data Expected Q4:2022

SEP-2021: Final Efficacy Data Reported

✓ Strong Boosting (incl. Omicron)+High Efficacy

1H-2022: Final Results Reported

☑ Strong Boosting Response (incl. Omicron)

Immunogenicity & Safety

Data Expected Q3:2022

Phase 3 Immunogenicity & Safety (mRNA Vaccine) (Global) Data Expected Q3:2022

Homologous Booster



Prior SCB-2019 Vaccination (Protein-Based Vaccine)

Phase 2/3 SPECTRA (Global)

N = 3,755

1H-2022:Final Results Reported **✓** Strong Boosting Response (incl. Omicron)

- 30,128 total adult & elderly participants enrolled in Phase 2/3 SPECTRA trial, including 14,622 participants with evidence prior of SARS-CoV-2 infection.
- (2) SCB-2019 (CpG 1018/Alum) given as a booster dose (3rd dose) in individuals previously receiving 2 doses of CoronaVac.
- (3) SCB-2019 (CpG 1018/Alum) given as a booster dose (4th dose) in individuals previously receiving 3 doses of CoronaVac.



Primary Vaccination: Key Takeaways from Global Phase 2/3 SPECTRA Trial

SPECTRA Established Efficacy of SCB-2019 (CpG 1018/Alum) Against COVID-19 with a Favorable Safety Profile

Study Snapshot

<6 Months

From enrollment initiation until final efficacy data announced

Mar 24, 2021 Initiated Enrollment Sep 22, 2021 Final Data Announced

30,000+ **Participants Enrolled**

(Adult & Elderly)

4 Continents, 5 Countries

- Belgium
- Colombia
- Brazil
- South Africa Philippines

Strong geographic and ethnic diversity

100%

of SARS-CoV-2 strains observed were variants (multiple variants of concern & interest)

Delta

was predominant strain

Final Efficacy Data (Reported September 2021)

- **Primary & Secondary Efficacy Endpoints Successfully Met**
- 100% Efficacy Against Severe COVID-19 & Hospitalization, 84% efficacy against moderate-to-severe COVID-19, 67% efficacy against COVID-19 of any severity caused by any strain of SARS-CoV-2 in SPECTRA
- 79% Efficacy Against COVID-19 of Any Severity caused by Delta
- Favorable Safety Profile: No significant differences in systemic solicited adverse events (AEs) or severe/serious adverse events (SAEs) compared to placebo

Follow-Up Efficacy at 5-Months After Primary Vaccination (Reported March 2022)

- **100% Efficacy Maintained Against Severe COVID-19**
- 95% Efficacy Against Hospitalization Associated With COVID-19
- No Safety Concerns Observed



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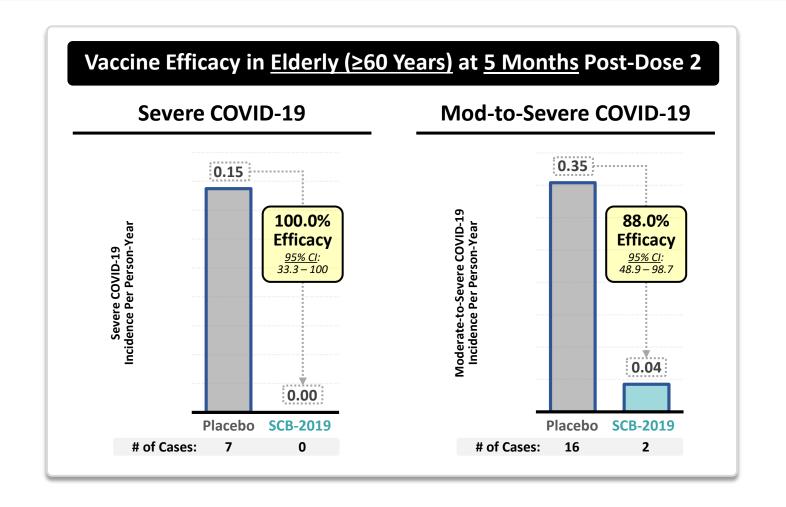
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High & Durable Efficacy in Elderly Population

- √ 100% efficacy against severe COVID-19 in elderly at 5-months after second dose.
- **√** 88% efficacy against moderate-to-severe COVID-19 in elderly at 5-months after second dose



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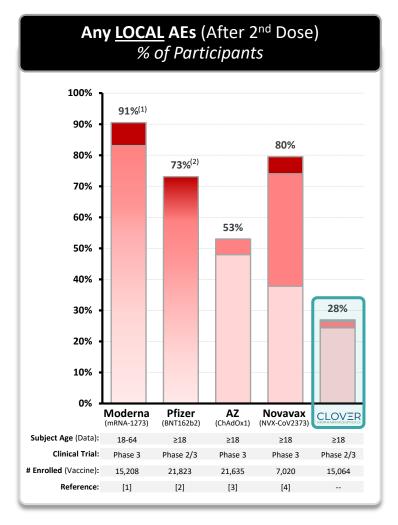
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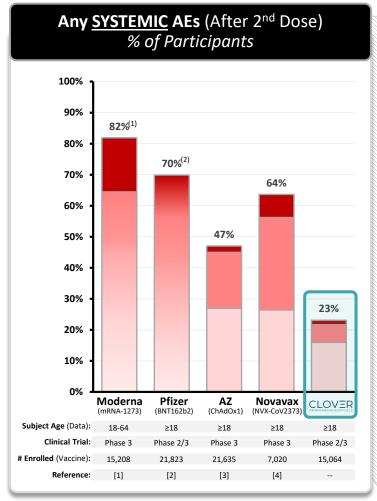
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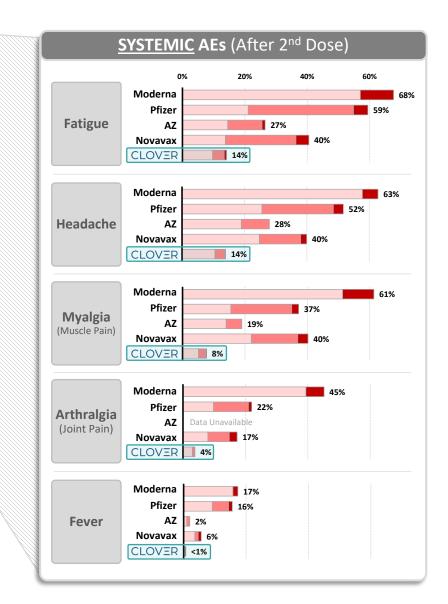
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Primary Vaccination: Potential Best-in-Field Safety Profile











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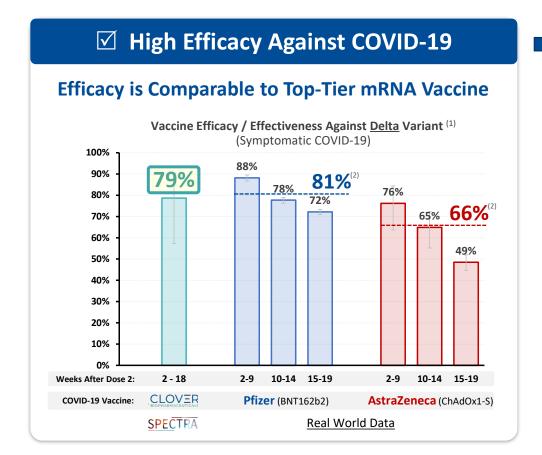
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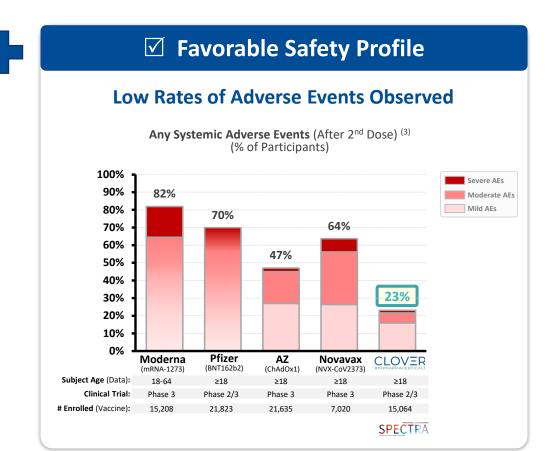
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Primary Vaccination: Attractive & Differentiated Profile for SCB-2019 Observed in Clinical Studies August 2022





☑ Optimal Balance Between <u>High Efficacy</u> & <u>Favorable Safety Profile</u> Demonstrated;

Vaccine is Stable at Standard Refrigerator Temperatures (2-8°C) and Suitable for Distribution & Storage Globally

Notes: NON HEAD-TO-HEAD COMPARISONS FOR ILLUSTRATIVE PURPOSES ONLY. Adverse Events (AEs)

- (1) SCB-2019 (CpG 1018/Alum) Phase 2/3 SPECTRA vaccine efficacy data. Pfizer (BNT162b2) and AstraZeneca (ChAdOx1-S) vaccine efficacy data from Andrews et al. (2021).
- (2) Estimated vaccine efficacy for Weeks 2-19 (based on weighted average vaccine effectiveness results for weeks 2-9, 10-14, and 15-19 respectively).
- (3) SCB-2019 (CpG 1018/Alum) Phase 2/3 SPECTRA safety data. Pfizer (BNT162b2) and AstraZeneca (ChAdOx1-S safety data references: Moderna FDA Briefing Document VRBAC Meeting DEC 17, 2020; Pfizer FDA Briefing Document VRBAC Meeting DEC 10, 2020; AstraZeneca (DOI: 10.1056/NEJMoa2105290); Novavax (DOI: 10.1056/NEJMoa2107659).



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Universal COVID-19 Booster Development Plan

②

Universal COVID-19 Booster Vaccine Profile: SCB-2019 (CpG 1018 / Alum) has attractive profile (high efficacy + favorable safety) to be developed as a universal booster, to be potentially utilized regardless of the vaccine technology used previously for primary vaccination or previous SARS-CoV-2 infection history

SCB-2019 (CpG 1018/Alum) Booster Setting	Universal Booster Development Status	Upcoming Milestones
Previous SARS-CoV-2 Infection	✓ Positive Phase 2/3 (SPECTRA) Efficacy & Safety Data ✓ Data published in Lancet Infectious Disease	
Previous CoronaVac Vaccination (Inactivated Vaccine)	 Phase 3 3rd Dose initiated in JUN-2022 Phase 3 4th Dose to initiate in 2H-2022 	Q3-2022: Initial data Q4-2022: Initial data
Heterologous Booster Previous AstraZeneca Vaccination (Viral Vector Vaccine)	 ✓ Positive immunogenicity & safety data reported in Phase 2 study (1) ■ Phase 3 initiated in JUN-2022 	Q3-2022: Initial data
Previous Pfizer Vaccination (mRNA Vaccine)	Phase 3 initiated in JUN-2022	Q3-2022: Initial data
Homologous Booster Previous SCB-2019 Vaccination (Protein-Based Vaccine)	Positive initial Phase 2/3 SPECTRA data with strong boosting response against Omicron	2H-2022: Additional immunogenicity & safety data

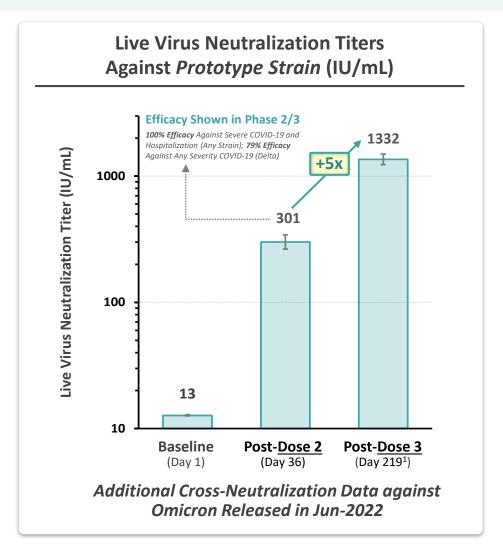
Universal COVID-19 Booster Development Expected to be Completed in 2022

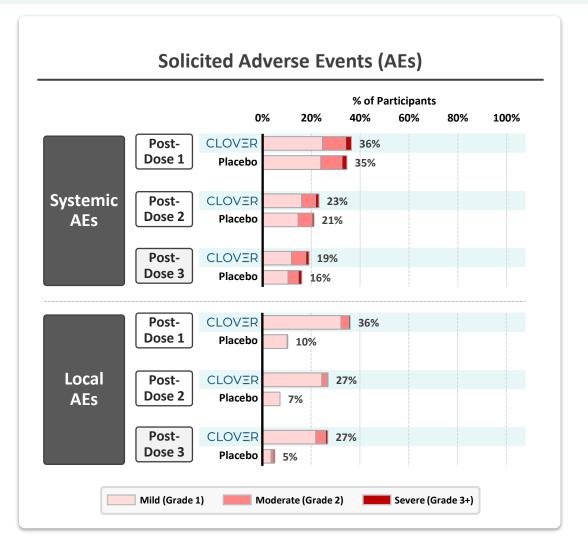
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Homologous Booster for SCB-2019 (CpG 1018/Alum)

- Strong Homologous Booster Effect: ~5x higher neutralizing antibody titers after homologous 3rd dose compared to after 2nd dose
- Favorable Safety Profile: Safety profile of 3rd dose is consistent with first 2 doses; majority of AEs observed are mild





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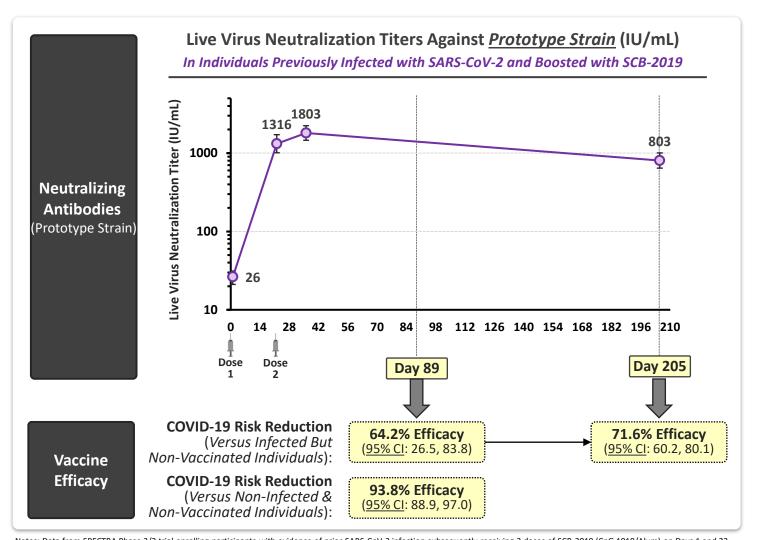
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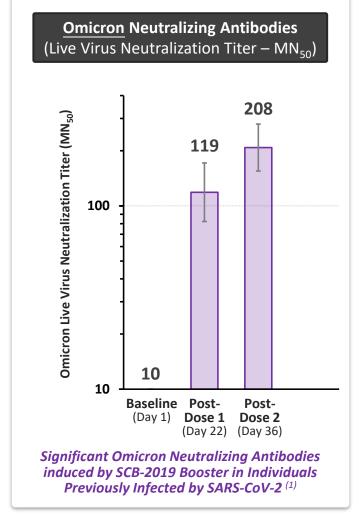
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Booster in Previously-Infected Individuals

- Durable & Strong Booster Effect: Rapid increase in neutralizing antibody titers after 1 and 2 doses of SCB-2019 (CpG 1018/Alum)
- Durable & High Vaccine Efficacy: No decline in vaccine efficacy observed at 5 months after the second dose





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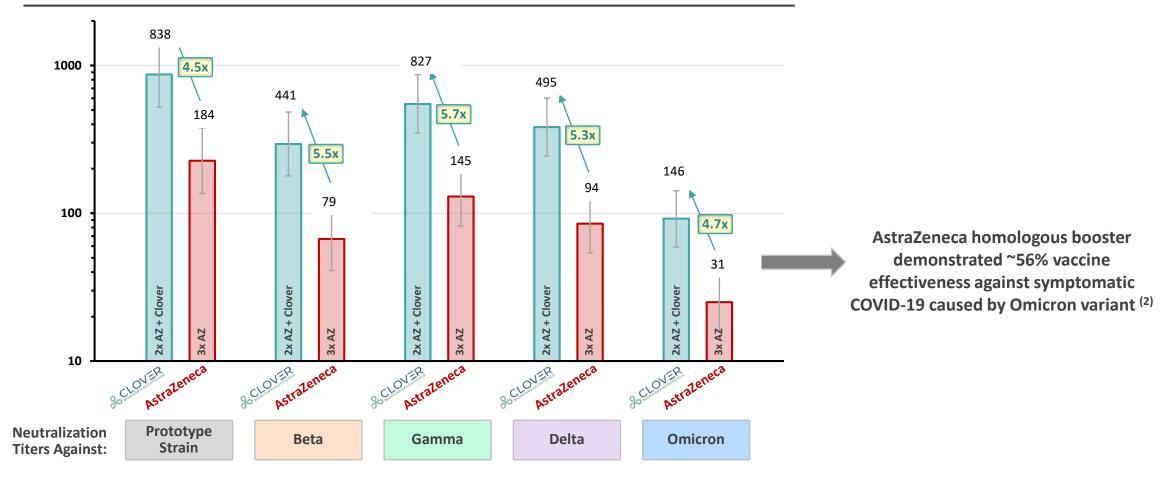
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Heterologous Booster for AstraZeneca Viral-Vectored Vaccine

- Broader & Stronger Immune Response: Broader spectrum & stronger cross-neutralization compared to AstraZeneca homologous booster
- >4x higher neutralization across all variants tested, including Omicron

Live Virus Neutralization Titers at 2-Weeks After Booster Dose (MN₅₀)⁽¹⁾ In Individuals Previously Receiving 2 Doses of AstraZeneca Vaccine And Boosted



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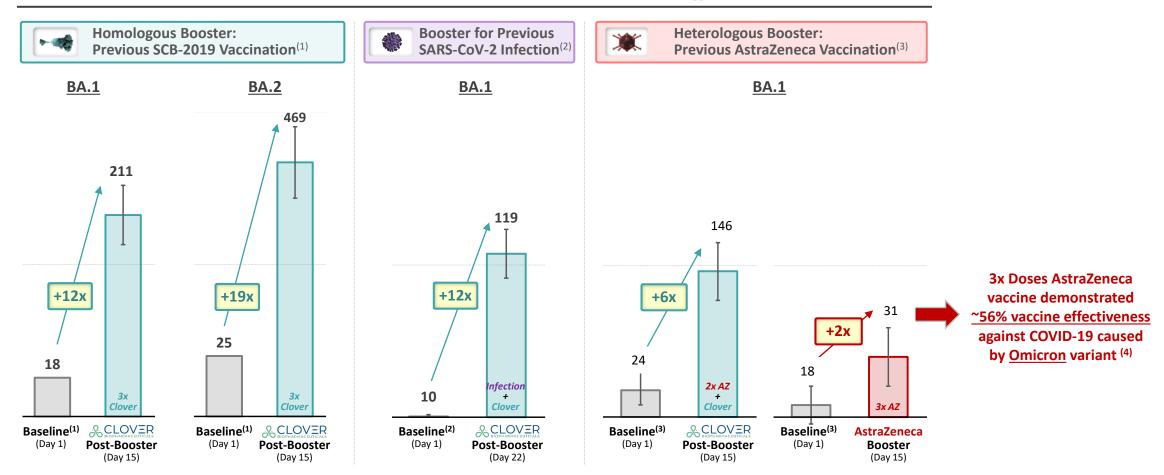
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& & & & & & Omicron: Rapid & Strong Booster Immune Responses Against Omicron Observed at levels expected to be significantly protective

Live Virus Neutralization Titers Against *Omicron Variant* (MN₅₀)



Notes: Bars represent Geometric Mean Concentrations (GMC) ± 95% confidence intervals (95% CI). Same validated Wildtype neutralization assay against the Omicron variant strain of SARS-CoV-2 utilized across all trials shown (VisMederi).

(1) Data from SPECTRA clinical trial in baseline (pre-booster) seronegative participants, who received 2 doses of SCB-2019 (CpG 1018/Alum) ≥6 months prior to booster, and demonstrated at least 2-fold reduction of neutralizing antibodies after primary vaccination

(2) Baseline seropositivity status (previous SARS-CoV-2 infection status) was determined by the presence of antibodies binding to SARS-CoV-2 Spike (S) protein in Day 1 serum samples (Roche Elecsys® anti-S test). (3) Final data readout. Enrolled participants receiving 2 doses of AstraZeneca COVID-19 vaccine ≥6 months prior to enrolling and receiving booster.

(4) Andrews et al., 2022 (DOI: 10.1056/NEJMoa2119451).



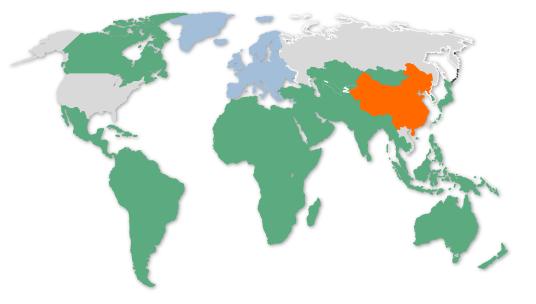
Global Approach for Regulatory Approval

- Rolling Regulatory Submissions are anticipated to be completed in <u>2H-2022</u>, with product launches commencing thereafter upon receiving conditional approvals
 - China NMPA submission via Clover Changxing Site
 - EMA and WHO submissions via CDMO Site









Clover is also evaluating potential regulatory submissions to specific countries for Emergency Use Authorizations (EUAs) or conditional approvals



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Strong Global Demand Persists for SCB-2019 as a Primary & Booster Vaccination

• 6.6 Billion+ Dose Demand in Clover's initial primary markets (China and LMIC*) across both primary vaccination and booster (3rd dose) settings; continued boosting and/or emergence of new variants to drive further increases in dose demand globally

Clover's Initial Primary Markets China **Other Countries** 51% 0.2 Billion 2 Billion 0.4 Billion 2.6 Billion **Primary Dose Demand Dose Demand Dose Demand Dose Demand Vaccination** Still ~50% Unvaccinated Globally 11% Vaccinated 0.6 Billion ** 3.6 Billion 0.8 Billion 5 Billion 44% 53% **Booster** 47% **Dose Demand Dose Demand Dose Demand Dose Demand Vaccination Need for Boosters** Accepted Globally **0.8 Billion** Dose Demand 5.6 Billion Dose Demand 2.0 Billion Dose Demand

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China: Significant Heterologous Booster Market Share for Clover Expected

- 3rd Dose Booster Rollout (in people previously receiving 2 doses of inactivated vaccine) currently at ~56% coverage
- 4th Dose Booster Rollout (in people previously receiving 3 doses of inactivated vaccine) expected to peak in <u>YE-2022/Q1-2023</u>
 - Heterologous boosting expected to comprise majority of 4th doses administered (1)
- Clover Well-positioned: Robust universal booster dataset; completion of NMPA submission in <u>2H-2022</u>

Effective Boosters Needed to Prevent Severe Outbreaks

Recent Study by Fudan University (published in *Nature Medicine*)⁽²⁾:

If China Moved Away from Dynamic Zero-COVID Strategy:

>1.55 million	Projected COVID-19 Deaths
>110 million	Projected COVID-19 Cases
>15.6x	Projected ICU Capacity Shortage

Study Indicates Key Mitigation Strategy is <u>Heterologous Boosting</u> (including with Protein-Based Vaccines)

Clover Booster Data Expected in Timeframe Needed

China Booster CoronaVac
Campaign Status Booster Data

3rd Dose Rollout (Primarily Inactivated Vaccines)

- Started in OCT-2021
- ~56% Coverage⁽³⁾

Q3:2022

4th Dose Rollout (Primarily <u>Heterologous</u> Boosting Expected) Peak Rollout in YE-2022/Q1-2023

Q4:2022

Note: Population includes all age groups.



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⁽¹⁾ Based on data demonstrating 4 doses of inactivated vaccine produces suboptimal immune responses, potentially inferior to 3 doses of inactivated vaccine in some individuals (DOI: 10.1101/2022.02.19.22271215).

⁽²⁾ Projected numbers over a 6-month simulation period (DOI: 10.1038/s41591-022-01855-7).

⁽³⁾ As of Aug 9, 2022 (Sources: https://ourworldindata.org/covid-vaccinations as of Aug 24 2022 and estimated based on country population).

Global: Promoting Fair & Equitable Access of COVID-19 Vaccines to Those in Need

Vaccination Rates Remain Low in LMICs...

COVID-19 Vaccination Rates⁽¹⁾ (as of 21-Aug 2022)

High Income Countries ~79%

Lower Middle Income Countries ~63%

Low Income Countries ~20%

- The developing world (LMICs) remain largely unvaccinated and unprotected
- LMICs are even further behind when factoring need for booster doses

Clover Proudly Supports Fair & Equitable Access of SCB-2019 (CpG 1018/Alum)



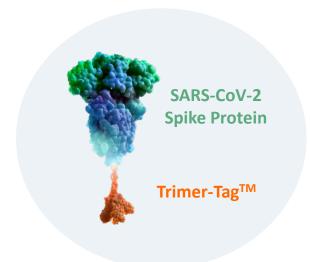
- Advanced purchase agreement signed with GAVI to supply up to 414 million doses (64 million committed doses) of SCB-2019 to the COVAX Facility* for procurement and global allocation
- √ 137 countries (including 92 low- and middle-income countries) could be eligible for SCB-2019 (CpG 1018/Alum) through COVAX

⁽¹⁾ Data shown for percentage of population who received at least one dose of COVID-19 vaccines. (Share of people who received at least one dose of COVID-19 vaccine (ourworldindata.org)

COVID-19 Vaccines Global Access, a global initiative aimed at equitable access to COVID-19 vaccines led by UNICEF, GAVI, the Vaccine Alliance, the World Health Organization, the Coalition for Epidemic Preparedness Innovations, and others

Next-Generation COVID-19 Vaccine Strategy

Clover To Utilize **☑** Validated Trimer-TagTM Platform for Next-Gen COVID-19 Vaccine Development



- ✓ **Validated Platform Technology:** SCB-2019 Phase 2/3 results has validated Trimer-Tag[™] approach to COVID-19 vaccine development
- ✓ Vaccine Efficacy Demonstrated: Efficacy results from SPECTRA (Ph2/3) study provides basis for future immuno-bridging licensure pathway for second-gen vaccines using Trimer-Tag[™]
- ✓ Rapid 'Plug & Play' Development Expected with more experienced global team & expanded capabilities since 2020

Strain-Change Clinical Proof-of-Concept in 2022:

SCB-2020S (Beta/Prototype Chimeric S-TrimerTM) is currently in a Phase 1 clinical trial in South Africa to demonstrate strain-change clinical proof-of-concept for Trimer-TagTM.

Candidate will be evaluated with CpG 1018/Alum as well as Clover's inhouse adjuvant CAS-1 (oil-in-water emulsion).

Initial safety & immunogenicity data in Q4-2022.

Evaluating Broadly-Protective Candidates (including Bivalent):

Clover is evaluating a **bivalent Omicron + Prototype S-Trimer™ vaccine** as a potentially broadly-protective COVID-19 vaccine candidate.

Initial preclinical results demonstrate proof-of-concept, and advancement of a **multi-valent candidate** to clinical stage is planned.



Numerous Upcoming Milestones for SCB-2019 (CpG 1018/Alum)

Near-Term Commercial Launch

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- 2H-2022: Complete regulatory submissions (China NMPA, EMA, WHO)
- Global product launches upon receiving conditional approvals
- Working Capital Management: Credit agreement approved by China Merchants Bank for up to
 US\$300 million to support potential working capital needs during commercial launch of SCB-2019*

Upcoming Clinical
Data & Trial
Initiations

- SCB-2019 (CpG 1018/Alum) Universal Booster
 - Q3-2022: Adolescent Phase 2/3 safety & immunogenicity data
 - ☐ Q3-2022: Data from Phase 3 heterologous 3rd dose booster trial (CoronaVac[™]& Comirnaty®)
 - Q4-2022: Data from Phase 3 heterologous 4th dose booster trial (CoronaVacTM)
- SCB-2020S (Beta/Prototype Chimeric S-TrimerTM)
 - Q4-2022: Phase 1 preliminary safety & immunogenicity data

^{*} Drawdown on this agreement is subject to a review of Clover's business condition and changes in Clover's condition may result in early repayment.







