

## Package leaflet: Information for the user

### Spikevax dispersion for injection COVID-19 mRNA Vaccine (nucleoside modified)

**The Brunei Darussalam Medicines Control Authority (BDMCA) has granted special approval of Spikevax during public health emergency or pandemic situation to prevent COVID-19 in individuals 18 years of age and older.**

▼ This medicine is subject to additional monitoring. This will allow quick identification of new safety information. You can help by reporting any side effects you may get. See the end of section 4 for how to report side effects.

**Read all of this leaflet carefully before you receive this vaccine because it contains important information for you.**

- Keep this leaflet. You may need to read it again.
- If you have any further questions, ask your doctor, pharmacist or nurse.
- If you get any side effects, talk to your doctor, pharmacist or nurse. This includes any possible side effects not listed in this leaflet. See section 4.

#### What is in this leaflet

1. What Spikevax is and what it is used for
2. What you need to know before you are given Spikevax
3. How Spikevax is given
4. Possible side effects
5. How to store Spikevax
6. Contents of the pack and other information

#### 1. What Spikevax is and what it is used for

Spikevax is a vaccine used to prevent COVID-19 caused by SARS-CoV-2. It is given to adults and individuals aged 18 years and older. The active substance in Spikevax is mRNA encoding the SARS-CoV-2 Spike protein. The mRNA is embedded in SM-102 lipid nanoparticles.

As Spikevax does not contain the virus, it cannot give you COVID-19.

#### How the vaccine works

Spikevax stimulates the body's natural defences (immune system). The vaccine works by causing the body to produce protection (antibodies) against the virus that causes COVID-19. Spikevax uses a substance called messenger ribonucleic acid (mRNA) to carry instructions that cells in the body can use to make the spike protein that is also on the virus. The cells then make antibodies against the spike protein to help fight off the virus. This will help to protect you against COVID-19.

#### 2. What you need to know before you are given Spikevax

**The vaccine must not be given if you are allergic** to the active substance or any of the other ingredients of this vaccine (listed in section 6).

#### Warnings and precautions

Talk to your doctor, pharmacist or nurse before you are given Spikevax if:

- you have previously had a severe, life-threatening **allergic** reaction after any other vaccine injection or after you were given Spikevax in the past.

- you have a very weak or compromised immune system
- you have ever fainted following any needle injection.
- you have a bleeding disorder
- you have a high fever or severe infection; however, you can have your vaccination if you have a mild fever or upper airway infection like a cold
- you have any serious illness
- if you have anxiety related to injections

Very rare cases of myocarditis (inflammation of the heart muscle) and pericarditis (inflammation of the lining outside the heart) have been reported after vaccination with Spikevax. The cases have primarily occurred within two weeks following vaccination, more often after the second vaccination, and more often occurred in younger men. Following vaccination, you should be alert to signs of myocarditis and pericarditis, such as breathlessness, palpitations and chest pain, and seek immediate medical attention should these occur.

If any of the above apply to you (or you are not sure), talk to your doctor, pharmacist or nurse before you are given Spikevax.

As with any vaccine, the 2-dose vaccination course of Spikevax may not fully protect all those who receive it and it is not known how long you will be protected.

### **Children**

Spikevax is not recommended for children aged under 18 years.

### **Other medicines and Spikevax**

Tell your doctor or pharmacist if you are taking, have recently taken, or might take any other medicines. Spikevax may affect the way other medicines work, and other medicines may affect how Spikevax works.

### **Pregnancy and breast-feeding**

If you are pregnant or breast-feeding, think you may be pregnant or are planning to have a baby, tell your doctor, pharmacist or nurse before being vaccinated.

### **Driving and using machines**

Do not drive or use machines if you are feeling unwell after vaccination. Wait until any effects of the vaccine have worn off before you drive or use machines.

### **Spikevax contains sodium**

Spikevax contains less than 1 mmol (23 mg) sodium per dose and, that is to say, essentially 'sodium-free'.

## **3. How you will be given Spikevax**

Spikevax will be given to you as two 0.5 mL injections. It is recommended to administer the second dose of the same vaccine 28 days after the first dose to complete the vaccination course.

Your doctor, pharmacist or nurse will inject the vaccine into a muscle (intramuscular injection) in your upper arm.

**After** each injection of the vaccine, your doctor, pharmacist or nurse will watch over you for around **15 minutes** to monitor for signs of an allergic reaction.

### **If you miss an appointment for your 2<sup>nd</sup> dose of Spikevax**

- If you miss an appointment, arrange another visit as soon as possible with your doctor, pharmacist or nurse.
- If you miss a scheduled injection, you may not be fully protected against COVID-19.

If you have any further questions on the use of this vaccine, ask your doctor, pharmacist or nurse.

#### **4. Possible side effects**

Like all medicines, this vaccine can cause side effects, although not everybody gets them.

Get **urgent** medical attention if you get any of the following signs and symptoms of an allergic reaction:

- feeling faint or light-headed;
- changes in your heartbeat;
- shortness of breath;
- wheezing;
- swelling of your lips, face, or throat;
- hives or rash;
- nausea or vomiting;
- stomach pain.

Talk to your doctor or nurse if you develop any other side effects. These can include:

**Very common** (may affect more than 1 in 10 people):

- swelling/tenderness in the underarm
- headache
- nausea
- vomiting
- muscle ache, joint aches, and stiffness
- pain or swelling at the injection site
- feeling very tired
- chills
- fever

**Common** (may affect up to 1 in 10 people):

- rash
- rash, redness, or hives at the injection site (some of which may occur some time after the injection)

**Uncommon** (may affect up to 1 in 100 people):

- itchiness at the injection site

**Rare** (may affect up to 1 in 1000 people)

- temporary one-sided facial drooping (Bell's palsy)
- swelling of the face (swelling of the face may occur in patients who have had facial cosmetic injections.)
- dizziness
- decreased sense of touch or sensation

**Frequency unknown**

- severe allergic reactions with breathing difficulties (anaphylaxis)
- reaction of increased sensitivity or intolerance by the immune system (hypersensitivity)
- inflammation of the heart muscle (myocarditis) or inflammation of the lining outside the heart (pericarditis) which can result in breathlessness, palpitations or chest pain.

**Reporting of side effects**

If you get any side effects, talk to your doctor, pharmacist or nurse. This includes any possible side effects not listed in this leaflet. You can also report side effects directly via the national reporting system through the Bruhealth app or the [Symptoms After COVID-19 Vaccination Reporting Form](#)

available from vaccination sites or at the nearest government pharmacy (hospital/health centre). The completed Symptoms after COVID-19 Vaccination Reporting Form should be returned to the nearest government pharmacy (hospital/health centre) or e-mail at [nadrmc.dps@moh.gov.bn](mailto:nadrmc.dps@moh.gov.bn). By reporting side effects, you can help provide more information on the safety of this vaccine.

## 5. How to store Spikevax

Keep this vaccine out of the sight and reach of children.

Do not use this vaccine after the expiry date which is stated on the label after EXP. The expiry date refers to the last day of that month.

Information about storage, expiry, and use and handling are described in the section intended for healthcare professionals at the end of the package leaflet.

Do not throw away any medicines via wastewater or household waste. Ask your pharmacist how to throw away medicines you no longer use. These measures will help protect the environment.

## 6. Contents of the pack and other information

### What Spikevax contains

- This is a multidose vial which contains 10 doses of 0.5 mL.
- One dose (0.5 mL) contains 100 micrograms of messenger RNA (mRNA) (embedded in SM-102 lipid nanoparticles).
- Single-stranded, 5'-capped messenger RNA (mRNA) produced using a cell-free in vitro transcription from the corresponding DNA templates, encoding the viral spike (S) protein of SARS-CoV-2.
- The other ingredients are lipid SM-102 (heptadecan-9-yl 8-((2-hydroxyethyl)[6-oxo-6-(undecyloxy)hexyl]amino)octanoate), cholesterol, 1,2-distearoyl-sn-glycero-3-phosphocholine (DSPC), 1,2-Dimyristoyl-rac-glycero-3-methoxypolyethylene glycol-2000 (PEG2000 DMG), trometamol, trometamol hydrochloride, acetic acid, sodium acetate trihydrate, sucrose, water for injections.

### What Spikevax looks like and contents of the pack

Spikevax is a white to off white dispersion supplied in a glass vial with a rubber stopper and aluminium seal.

Pack size: 10 multidose vials

### Product Owner:

MODERNA BIOTECH SPAIN, S.L.  
Calle Monte Esquinza 30  
28010 Madrid  
Spain

### Manufacturer:

Rovi Pharma Industrial Services, S.A.  
Paseo de Europa, 50  
28703. San Sebastián de los Reyes  
Madrid, Spain

Recipharm Monts  
18 Rue de Montbazou  
Monts, France 37260

**This leaflet was last revised in 24 November 2021.**

This vaccine has been given ‘special approval’ (emergency use authorisation). This means that there is more evidence to come about this vaccine.

Visit the URL <https://www.ModernaCovid19Global.com> for more information.

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**The following information is intended for healthcare professionals only:**

Traceability

In order to improve the traceability of biological medicinal products, the name and the batch number of the administered product should be clearly recorded.

Spikevax should be administered by a trained healthcare professional.

The vaccine comes ready to use once thawed.

Do not shake or dilute.

Spikevax vials are multidose. Ten (10) doses can be withdrawn from each multidose vial. Pierce the stopper preferably at a different site each time.

An additional overfill is included in each vial to ensure that 10 doses of 0.5 mL can be delivered.

Thawed vials and filled syringes can be handled in room light conditions.

Spikevax should be administered as two 0.5 mL doses. It is recommended to administer the second dose 28 days after the first dose.

As with all injectable vaccines, appropriate medical treatment and supervision must always be readily available in the event of an anaphylactic reaction following the administration of Spikevax.

Individuals should be observed by a healthcare professional for at least 15 minutes after vaccination.

There are no data to assess the concomitant administration of Spikevax with other vaccines. Spikevax must not be mixed with other vaccines or medicinal products in the same syringe.

The vaccine must be administered intramuscularly. The preferred site is the deltoid muscle of the upper arm. Do not administer this vaccine intravascularly, subcutaneously or intradermally.

## Information about storage and handling

### Frozen Storage

store frozen between  $-25^{\circ}$  to  $-15^{\circ}\text{C}$   
Do not store on dry ice or below  $-50^{\circ}\text{C}$   
Store in the original carton to protect from light.



### Thaw Each Vial Before Use

Vial images for illustrative purposes only

2 hours and 30 minutes in refrigerator

$2^{\circ}$  to  $8^{\circ}\text{C}$   
(within the 30 days shelf life at  $2^{\circ}$  to  $8^{\circ}\text{C}$ )



OR

1 hour at room temperature

$15^{\circ}$  to  $25^{\circ}\text{C}$



Let vial sit at room temperature for 15 minutes before administering

### Instructions Once Thawed

Unpunctured Vial

30 days

Maximum times

Refrigerator

$2^{\circ}$  to  $8^{\circ}\text{C}$

24 hours

Cool storage up to

room temperature

$8^{\circ}$  to  $25^{\circ}\text{C}$



After first dose has been withdrawn

12 hours

Maximum time

Refrigerator or

room temperature

Vial should be held between  $2^{\circ}$  to  $25^{\circ}\text{C}$ . Record the date and time of discard on the vial label.

Discard punctured vial after 12 hours.



Withdraw each 0.5 mL dose of vaccine from the vial using a new sterile needle and syringe for each injection to prevent transmission of infectious agents from one person to another.

**The dose in the syringe should be used immediately.**

**Once the vial has been punctured to withdraw the initial dose, the vaccine should be used immediately and be discarded after 12 hours.**

Any unused vaccine or waste material should be disposed of in accordance with local requirements.

***NEVER* refreeze thawed vaccine**

## Administration

Swirl vial gently after thawing and before each withdrawal.  
The vaccine comes ready to use once thawed. Do not shake or dilute.

### Prior to injection, inspect each dose to:

Confirm liquid is **white to off-white**  
in colour in both vial and syringe.

Verify syringe volume of **0.5 mL**.

The COVID-19 Vaccine Moderna may  
contain white or translucent  
product-related particulates.

If dosage is incorrect, or discolouration  
and other particulate matter is present,  
do not administer the vaccine.



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For national level office use only  
BRN: \_\_\_\_\_ Initial / Follow-up

Kementerian Kesihatan, Brunei Darussalam  
Ministry of Health, Brunei Darussalam

**BORANG LAPORAN SIMPTOM SELEPAS MENERIMA VAKSIN COVID-19**  
**SYMPTOMS AFTER COVID-19 VACCINATION REPORTING FORM**

Sila isi semua bahagian di dalam laporan ini. Semua maklumat peribadi akan dirahsiakan.  
Please fill in all sections in this report. All personal information will remain confidential.

<b>TARIKH / DATE :</b> _____																								
<b>A. MAKLUMAT PENERIMA VAKSIN / VACCINE RECIPIENT DETAILS</b>																								
Nama / Name: _____																								
No. kad pengenalan / Identity card no.: _____ No. BruHIMS / BruHIMS no.: _____ Umur / Age: _____																								
No. telefon / Telephone no.: _____ Jantina / Gender: <input type="checkbox"/> Lelaki / Male <input type="checkbox"/> Perempuan / Female																								
No. pasport (bagi yang belum mempunyai kad pengenalan) / Passport no. (for those who do not have an identity card): _____																								
<b>B. MAKLUMAT PELAPOR / REPORTER DETAILS</b>																								
(bagi mereka yang melaporkan bagi pihak kanak-kanak atau penjaga sahaja / only for those reporting on behalf of a minor or carer)																								
Nama pelapor / Reporter's name: _____																								
No. kad pengenalan pelapor / Reporter's identity card no.: _____																								
No. telefon pelapor / Reporter's telephone no.: _____ E-mel/ E-mail: _____																								
<b>C. MAKLUMAT VAKSIN / VACCINE INFORMATION</b>																								
Jenama vaksin COVID-19 / Brand of COVID-19 vaccine: _____																								
Dos yang diterima / Dosage received: <input type="checkbox"/> Dos pertama / First dose <input type="checkbox"/> Dos kedua / Second dose																								
Tempat vaksinasi / Place of vaccination: _____																								
Tarikh vaksinasi / Date of vaccination: _____ Masa vaksinasi / Time vaccine received: _____																								
<b>D. MAKLUMAT SIMPTOM / SYMPTOM INFORMATION</b>																								
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Tarikh simptom/ Date of symptom: _____ Masa bermula simptom/ Time of symptom: _____																								
Adakah awda telah menerima rawatan bagi simptom tersebut di mana-mana pusat kesihatan atau hospital? / <input type="checkbox"/> Ya / Yes <input type="checkbox"/> Tidak / No Did you receive any treatments for the symptom(s) at any health centre or hospital?																								
Adakah awda telah merawat simptom itu sendiri? / <input type="checkbox"/> Ya / Yes <input type="checkbox"/> Tidak / No Did you perform self-treatment?																								
Jika ya, sila nyatakan (nama ubat, dos dan kekerapan mengambil ubat tersebut) / _____ If yes, please specify (medicine name, dose and frequency)																								
(tidak wajib untuk mengisi maklumat ubat / not mandatory to fill in medicine details)																								
Adakah awda sudah sembuh dari simptom tersebut? / <input type="checkbox"/> Ya / Yes <input type="checkbox"/> Tidak / No Tarikh pulih/Date recovered: _____ Have you recovered from the symptom(s)?																								



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**PANDUAN MELAPORKAN SIMPTOM  
GUIDANCE ON SYMPTOM REPORTING**

**APAKAH YANG PERLU DILAPORKAN?  
WHAT TO REPORT?**

Sila laporkan jika awda mengalami sebarang simptom baru selepas menerima vaksin. Identiti serta maklumat yang awda berikan akan dirahsiakan.

*Please report if you develop any new symptoms after you receive the vaccine. Your identity and information will be kept confidential.*

**MENGAPA PERLU MELAPORKAN SIMPTOM?  
WHY REPORT SYMPTOMS?**

Laporan ini boleh membantu meningkatkan keselamatan penggunaan vaksin dan mungkin dapat mengesan dan mengenalpasti kesan sampingan yang baru bagi vaksin ini.

*This report will help improve the safe use of vaccines and may detect and identify new side effects of this vaccine.*

**BAGAIMAN CARA MELAPORKAN?  
HOW TO REPORT?**

Dapatkan borang ini dari tempat vaksinasi atau farmasi kerajaan yang berdekatan (hospital/ pusat kesihatan). Sila isikan borang ini selengkap mungkin dan setelah lengkap diisi, sila pulangkan borang ini ke farmasi kerajaan yang berdekatan (hospital/ pusat kesihatan), atau awda boleh poskan/ e-mel kepada kami. Sila berikan maklumat perhubungan awda untuk membolehkan kami menghubungi awda sekiranya maklumat yang lebih lanjut mengenai laporan awda diperlukan.

*This form can be obtained from vaccination sites or at the nearest government pharmacy (hospital/ health centre). Please fill in the form as completely as possible and once completed, please return the form to the nearest government pharmacy (hospital/ health centre), or post/ email directly to us. Please provide your contact details as well to allow us to obtain further information about your report if necessary.*

**FOLD HERE FIRST / LIPAT DI SINI DAHULU**

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To:

**National Adverse Drug Reaction Monitoring Centre (NADRMIC)**  
c/o Pharmacovigilance Section  
1<sup>st</sup> Floor, Department of Pharmaceutical Services Building  
Simpang 433, Rimba Highway  
Kg Madaras, Bandar Seri Begawan  
BB1514  
Brunei Darussalam  
Telephone Number: +673 2392398/ 2393301 Ext 201, 206, 207  
Fax Number: +673 2393097  
E-mail: nadrmic.dps@moh.gov.bn

**FOLD HERE SECOND / LIPAT DI SINI KEMUDIAN**

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