

KYMRIAH® (tisagenlecleucel) dispersion for intravenous infusion

Patient Educational Leaflet

Important Information for You (the Patient), Guardians, and Caregivers

Your doctor will give you a copy of the Kymriah Patient Alert Card, and the Kymriah Patient Educational Leaflet (this document).

Please read the Kymriah Patient Alert Card in its entirety, carry the card with you at all times and show it to all healthcare providers.

Please read and keep the Kymriah Patient Educational Leaflet to remind you of the signs and symptoms of cytokine release syndrome, neurological events, and infections that require immediate medical attention.

If you have any questions about Kymriah, please speak to your doctor or nurses.

What is KYMRIAH?

Kymriah is a medicine made from your own white blood cells, and is used to treat:

- **B-cell acute lymphoblastic leukaemia (B-cell ALL):** a form of cancer that affects some other types of white blood cells. The medicine can be used in pediatric and young adult patients up to and including 25 years of age with B-cell acute lymphoblastic leukaemia (ALL) that is refractory, in relapse post-transplant or in second or later relapse
- **Diffuse large B-cell lymphoma (DLBCL):** a form of cancer that affects some types of white blood cells, mostly in the lymph nodes. The medicine can be used in adult patients with relapsed or refractory diffuse large B-cell lymphoma (DLBCL) after two or more lines of systemic therapy
- **Follicular lymphoma (FL):** a form of cancer that affects some types of white blood cells called lymphocytes, mostly in the lymph nodes. The medicine can be used in adult patients with relapsed or refractory follicular lymphoma (FL) after two or more lines of systemic therapy.

What should I expect before getting KYMRIAH?

Collection of blood to manufacture Kymriah

- Since Kymriah is made from your own white blood cells, your doctor will take some of your blood using a catheter (a small tube) placed in your vein; this procedure is called “leukapheresis”.
- Some of your white blood cells are separated from your blood and the rest of your blood is returned to your vein. This can take 3 to 6 hours and may need to be repeated.
- Your collected white blood cells are frozen and sent away to the manufacturing site to make Kymriah.

Manufacturing KYMRIAH

- Kymriah is a treatment that is manufactured specifically for you. Manufacturing time may vary and typically takes several weeks.
- There are situations where Kymriah cannot be successfully manufactured and be given to you. In some cases, a second manufacturing of Kymriah may be attempted.
- There are also instances where the final manufactured product falls outside the pre-specified acceptance criteria for Kymriah (i.e., the product is out-of-specification). However, if your treating doctor assesses that the anticipated benefit outweighs the risks associated with this out-of-specification product, the final product may still be provided for infusion at your doctor's request.

Bridging therapy / potential disease worsening

- While Kymriah is being manufactured, additional therapy (known as ‘bridging therapy’) may be needed to stabilise your cancer. This may induce side effects which can be severe or life-threatening. The treating doctor will inform you about potential side effects of this therapy.
- While you await Kymriah manufacture, the underlying disease may worsen and progress.

Lymphodepleting chemotherapy

- Shortly before you are administered Kymriah, your doctor may give you a type of treatment called lymphodepleting chemotherapy (also called conditioning chemotherapy) over a few days to prepare your body for Kymriah infusion.

Possible side effects that may occur after KYMRIA[®] infusion

Tell your doctor immediately if you get any of the following side effects after the Kymriah infusion. They usually happen in the first 8 weeks after the infusion, but can also develop later:

- High fever and chills. These may be symptoms of a serious condition called cytokine release syndrome. Other symptoms of cytokine release syndrome are difficulty breathing, nausea, vomiting, diarrhoea, loss of appetite, fatigue, muscle pain, joint pain, swelling, low blood pressure, fast heartbeat, headache, heart, lung, and kidney failure and liver injury. These symptoms almost always occur within the first 14 days after infusion.
- Neurological events such as altered thinking or decreased consciousness, loss of contact with reality, confusion, agitation, seizures, difficulty speaking and understanding speech, and difficulty walking. These may be symptoms of a condition called immune effector cell-associated neurotoxicity syndrome (ICANS).
- Feeling warm, fever, chills, or shivering, sore throat or mouth ulcers, which may be signs of an infection. Some infections may be life-threatening or fatal.

Other possible side effects

Other side effects are listed below. If these side effects become severe or serious, tell your doctor immediately. You may need to be hospitalised for side effects.

Very common: may affect more than 1 in 10 people

- Pale skin, weakness, breathlessness
- Excessive or prolonged bleeding or bruising
- Fever
- Increased risk of infection
- Frequent and persistent infections
- Weakness, abnormal heart rhythms
- High levels of liver enzymes or creatinine in the blood that show that your liver or kidneys are not working normally
- Fast or irregular heart beat
- Shortness of breath, laboured breathing, rapid breathing
- Cough
- Abdominal pain, constipation
- Bone and back pain
- Skin rash
- Swollen ankles, limbs and face

Reporting of side effects

If you get any side effects, talk to your doctor. This includes any possible side effects not listed in this leaflet.

Monitoring / possible hospitalisation

- Plan to stay within 2 hours' travel from the hospital where you were treated for at least 4 weeks after you have been given Kymriah.
- Your doctor will recommend that you return to the hospital daily for the first 10 days and will consider you to stay at the hospital as an inpatient for the first 10 days after infusion or at the first signs/ symptoms of CRS and/ or neurological events. This is so your doctor can check if your treatment is working and help you if you have any side effects, such as potential cytokine release syndrome, neurological events and other toxicities.
- After the first 10 days following Kymriah infusion, you will be monitored as per your doctor's discretion

Additional important instructions for you (and/or your caregiver) about using KYMRIA[®]

- Take your temperature twice a day for 3-4 weeks after administration of Kymriah. If temperature is elevated, see your doctor immediately.
- Due to the potential of Kymriah to cause problems such as altered or decreased consciousness, confusion and seizures in the 8 weeks following infusion, you should not drive, use machines, or take part in activities that require alertness
- Do not donate blood, organs, tissues or cells

Effect on HIV testing

- There may be an effect on the results of some types of HIV test: treatment with Kymriah may result in a false- positive test result; ask your doctor about this.

Important information for healthcare professionals:

- This patient has received an infusion of Kymriah (tisagenlecleucel), a CAR-T cell therapy for:

_____ [please fill in indication as appropriate].
- Following Kymriah treatment, development of cytokine release syndrome and neurological events can occur, typically within the first few weeks after infusion; however, later occurrence might happen.
- Please contact his/her doctor before giving steroids or cytotoxic medications. Consult with his/her doctor for the treatment of the patient
- Patient may develop secondary malignancies, including those of T-cell origin. In such an event, healthcare professionals are encouraged to contact Novartis at 6019 6483 or patientsafety.sg@novartis.com to obtain instructions to collect patient samples for testing.

Contact details for KYMRIAH doctor

- Name: _____ Centre / City: _____
- Telephone number(s): _____

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Novartis (Singapore) Pte Ltd

20 Pasir Panjang Rd #10-25/28 Mapletree Business City Singapore
117439

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