

DUKORAL® for the prevention of **BOTH** LT-producing ETEC diarrhea **AND** cholera



**HELP SPEND YOUR VACATION
WHERE YOU WANT —**



AND NOT IN THE BATHROOM.

DUKORAL® is the **only drinkable vaccine** that helps protect against and prevent **BOTH** diarrhea caused by heat-labile toxin-producing enterotoxigenic *E. coli* (LT-producing ETEC) **AND** cholera. This vaccine may be given to adults and children 2 years of age and older.

**ASK YOUR HEALTHCARE
PROFESSIONAL ABOUT
TAKING DUKORAL®
AT LEAST 2 WEEKS
BEFORE TRAVELLING.**



* Except in Quebec and Saskatchewan.

DUKORAL®

Enterotoxigenic *E. coli* (ETEC)* is the most common cause of diarrhea for travellers to many parts of the world.



Enterotoxigenic *E. coli* (ETEC) diarrhea can spread very easily from person to person.



If you eat food or drink water or ice that is contaminated with ETEC, you are at risk of getting ETEC diarrhea.



Annually, ETEC is estimated to cause 220 million diarrheal episodes and approximately 380,000 deaths worldwide.

98% of travellers have been shown to make a food or water mistake within the first 3 days of their vacation:



Drinking beverages with ice cubes or crushed ice



Brushing teeth with tap water



Consuming salads and uncooked vegetables



Eating fruits which cannot be peeled



Sampling local cuisine from street vendors

* ETEC produces two toxins: a heat-stable toxin (ST) and/or a heat-labile toxin (LT). Globally, it is estimated that 60% of ETEC strains produce an LT. DUKORAL® confers protection specific to LT-producing ETEC. DUKORAL® has not been demonstrated to protect against ETEC strains that do not produce LT.



LT-PRODUCING ETEC DIARRHEA CAN SERIOUSLY INTERFERE WITH YOUR TRAVEL PLANS

LT-producing ETEC diarrhea can last for a few days, keep you in bed, require medical treatment, and result in:

- Nausea
- Vomiting
- Abdominal cramps
- Fever
- Chills
- Bloating
- Headache
- Muscle aches
- Loss of appetite

A STUDY ASSESSED THE COST OF DIARRHEA DURING TRAVEL CAUSED BY ETEC*

The average cost of an episode of diarrhea during travel was estimated to be **US \$1,460**:



an average of **3.5 days lost**

X

more than **\$400 per day** in travel,
time and medical costs

= US \$1,460

*Costs are presented in year 2007 US\$.



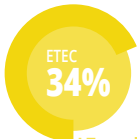
**YOUR TIME, YOUR MONEY,
YOUR LONG-AWAITED VACATION –
DON'T LET IT GO DOWN THE TOILET**

DUKORAL®

! Will I be at risk?

IF YOU'RE TRAVELLING TO A HIGH-RISK AREA, YOU SHOULD CONSIDER THE THREAT OF LT-PRODUCING ETEC DIARRHEA.

Incidence of LT- producing ETEC



LT-producing
ETEC*
69%



LT-producing
ETEC*
49%



LT-producing
ETEC*
63%



LT-producing
ETEC*
n.a.

* **LT-producing ETEC:** ETEC strains expressing LT alone or both LT and ST enterotoxins together (proportion among collected ETEC isolates)

INFECTION WITH ETEC IS THE LEADING CAUSE OF DIARRHEA DURING TRAVEL IN MANY DEVELOPING COUNTRIES, RESULTING IN AN ESTIMATED ONE THIRD OF CASES OF DIARRHEA IN TRAVELLERS TO LATIN AMERICA AND THE CARIBBEAN, AFRICA AND SOUTH ASIA.

Certain conditions may put you and your family at greater risk of getting LT-producing ETEC diarrhea while travelling

Populations with increased susceptibility and higher risk for more severe disease caused by LT-producing ETEC include:

- People with achlorhydria (absence of gastric acid secretion)
- People with previous gastrectomy (removal of part or all of the stomach)
- People with a history of repeated severe diarrhea
- Young children aged >2 years
- People with immunodeficiency disorders

Natural immunity decreases over time. Even if you were born in a high-risk area, you should protect yourself.



FOR THOSE WITH CHRONIC ILLNESSES FOR WHOM THERE IS AN INCREASED RISK OF SERIOUS CONSEQUENCES FROM DIARRHEA DURING TRAVEL, IT IS IMPORTANT TO SPEAK TO YOUR HEALTHCARE PROFESSIONAL TO PLAN AHEAD AND DISCUSS PREVENTATIVE MEASURES, INCLUDING DUKORAL®.



"I thought I'd planned our family vacation to a tee, but little did I know brushing our teeth with the tap water would de-rail everything. If you think getting LT-producing ETEC diarrhea during a trip to Mexico is bad, imagine having to share one bathroom with the whole family! Next time, I'll be planning ahead..."

- Aurelia*

* Fictional patient

IN ADDITION TO LT-PRODUCING ETEC, DUKORAL® ALSO PROTECTS AGAINST CHOLERA – ASK YOUR HEALTHCARE PROFESSIONAL ABOUT DUKORAL® AT LEAST 2 WEEKS BEFORE YOUR NEXT TRIP!

DUKORAL®

LT-producing ETEC diarrhea can be prevented

WHAT CAN YOU DO?

1. Get vaccinated with DUKORAL®
2. Watch what you eat, drink and do

DON'T DRINK:



Tap water



Drinks with crushed ice



Drinks with ice cubes

- Including alcoholic beverages served or shaken with ice cubes

DON'T EAT:

LT-producing ETEC diarrhea can easily spread.

- Wash your hands frequently
- Brush your teeth with treated or bottled water
- Avoid swimming in polluted or contaminated water
- Wipe cans and bottles before opening them



Fruits that can't be peeled



Uncooked vegetables, including salad



Undercooked or raw meat or fish



Unpasteurized or unrefrigerated dairy products



Food sold by street vendors



Taking DUKORAL® before your trip

STORE IN REFRIGERATOR – DO NOT FREEZE

TO HELP PREVENT DIARRHEA CAUSED BY LT-PRODUCING ETEC

If you are taking DUKORAL® for the first time:



FIRST DOSE
at least 2 weeks
before your departure.

Date: _____



SECOND DOSE
at least 1 week after the first
dose and at least 1 week before
your departure. (Do not take your
1st and 2nd dose more than 6 weeks
apart.)

Date: _____



TRIP
Protection starts about 1 week
after the 2nd dose and lasts for
about 3 months.

IF YOU HAVE TAKEN DUKORAL® BEFORE AND ARE TRAVELLING AGAIN:

- If it has been less than 5 years since the last dose, a single dose renews your protection
- If it has been more than 5 years since the last dose, 2 doses are needed again to renew protection

TO HELP PREVENT CHOLERA FOR ADULTS AND CHILDREN 6 YEARS OF AGE AND OLDER

If you are taking DUKORAL® for the first time:



FIRST DOSE
at least 2 weeks
before your departure.

Date: _____



SECOND DOSE
at least 1 week after the first
dose and at least 1 week before
your departure. (Do not take your
1st and 2nd dose more than 6 weeks
apart.)

Date: _____



TRIP
Protection starts about 1 week
after the 2nd dose and lasts for
about 2 years.

IF YOU HAVE TAKEN DUKORAL® BEFORE AND ARE TRAVELLING AGAIN:

- If it has been between 2 and 5 years since the last dose, a single dose renews your protection
- If it has been more than 5 years since the last dose, 2 doses are needed again to renew protection

Please refer to the DUKORAL® Patient Medication Information leaflet for full dosing and administration instructions for children 2 to 6 years of age.

How to prepare DUKORAL®

WHAT YOU NEED:



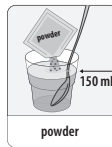
- Spoon
- Glass of water (5 oz/150 mL)
- Contents of box
 - White sachet of powder
 - DUKORAL® vaccine vial (glass vial)

STORAGE AND STABILITY

STORE IN THE REFRIGERATOR at 2° to 8°C (35° to 46°F)
DO NOT FREEZE
Do not use after expiry date.
DIN 02247208

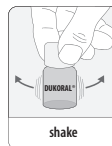
HOW TO PREPARE DUKORAL®

DO NOT EAT, DRINK ANY OTHER LIQUIDS (INCLUDING WATER) OR TAKE ANY OTHER MEDICATION 1 HOUR BEFORE AND 1 HOUR AFTER TAKING DUKORAL®



Step 1: To prepare the buffer solution

Open the white sachet containing the effervescent powder (sodium hydrogen carbonate) and pour its contents into 150 mL (approx. 5 oz) of cool water. Stir gently with spoon to dissolve. Use only cool water to prepare the buffer solution. Do not use any other liquid. For kids aged 2–6 years, pour away half of the prepared buffer solution before proceeding to Step 2 (keep 75 mL, approx. 2.5 oz).



Step 2: Shake the DUKORAL® vaccine vial to mix it well (1 vial = 1 dose).



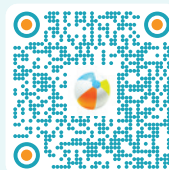
Step 3: To prepare the vaccine mixture

Open the DUKORAL® vaccine vial from Step 2 and pour its contents into the glass of prepared buffer solution from Step 1. Stir gently with spoon to mix all ingredients.



Step 4: Drink the vaccine mixture

Drink the entire contents of the glass immediately, as it should be consumed within 2 hours of its preparation. If not consumed immediately, keep at room temperature. Do not eat or drink anything, including water, for 1 hour after taking DUKORAL®.



FOR A VIDEO DEMONSTRATION ON
HOW TO PREPARE DUKORAL®, PLEASE VISIT
DUKORALCANADA.COM



Who should take DUKORAL®?

DUKORAL® is used to help protect people who are travelling to an area where there is a risk of diarrhea caused by LT-producing ETEC and/or cholera.

DUKORAL® may be given to adults and children 2 years of age and older.

WHO SHOULDN'T TAKE DUKORAL®?

DUKORAL® is not recommended for:

- Use in pregnancy; if you are pregnant, your doctor will discuss the possible risks and benefits of taking DUKORAL® during pregnancy
- Travellers experiencing acute gastrointestinal illness (e.g., diarrhea) or high temperature
- People with an allergy or hypersensitivity to any component of DUKORAL® or to formaldehyde
- Children less than 2 years of age.

Ask your healthcare professional about DUKORAL®

DUKORAL® is available without a prescription at your pharmacy and travel clinic for the prevention of LT-producing ETEC diarrhea.*

The cost of DUKORAL® may be covered by your private insurance. To find out if you are covered, contact your insurance provider and give the drug identification number (DIN) below.

DIN 02247208

THE **ONLY DRINKABLE VACCINE** THAT HELPS PROTECT AGAINST AND PREVENT **BOTH** LT-PRODUCING ETEC DIARRHEA **AND** CHOLERA.

DON'T LET LT-PRODUCING ETEC DIARRHEA AND/OR CHOLERA RUIN YOUR FAMILY'S SPECIAL MOMENTS – ESPECIALLY IF IT'S PREVENTABLE. PLAN AHEAD WITH DUKORAL®.

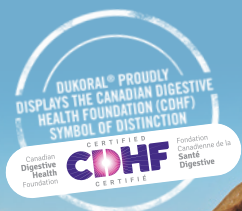


* In Quebec and Saskatchewan, DUKORAL® may be prescribed by your healthcare professional, such as a doctor or pharmacist.

DUKORAL®

DUKORAL®

Whatever you're planning, your vacation is not a good time for LT-producing ETEC diarrhea or cholera.



DUKORAL® does not treat diarrhea caused by enterotoxigenic *E. coli* once it develops. There are multiple germs responsible for acute diarrhea in travellers. DUKORAL® will only protect against cholera and LT-producing ETEC. Not everyone who gets vaccinated will be fully protected. Therefore, precautions to avoid contaminated food or water should be taken. Allergic reactions and side effects such as abdominal pain, diarrhea, fever, nausea and vomiting may occur. Rehydration measures should be taken in case of diarrhea.



VISIT DUKORALCANADA.COM FOR MORE INFORMATION, OR TALK TO YOUR HEALTHCARE PROFESSIONAL.

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