

Package leaflet: Information for the user **Sugammadex 100mg/ml Solution for Injection** sugammadex

Read all of this leaflet carefully before you are given this medicine 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 anaesthetist or doctor.
- If you get any side effects, talk to your anaesthetist or doctor. This is including any possible side effects not listed in this leaflet. See section 4.

What is in this leaflet

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

1. What Sugammadex is and what it is used for

What Sugammadex is
Sugammadex injection contains the active substance sugammadex. Sugammadex is considered to be a **Selective Relaxant Binding Agent** since it only works with

The following information is intended for healthcare professionals only:
For detailed information refer to the Summary of Product Characteristics of Sugammadex 100mg/ml Solution for Injection.

Sugammadex 100mg/ml Solution for Injection sugammadex

Information for the doctor

1. NAME OF THE MEDICINAL PRODUCT

Sugammadex 100mg/ml Solution for Injection

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

1ml contains sugammadex sodium equivalent to 100mg sugammadex.

Each vial of 2ml contains sugammadex sodium equivalent to 200mg sugammadex.

Each vial of 5ml contains sugammadex sodium equivalent to 500mg sugammadex.

Excipient with known effect

The total amount of sodium in each ml is up to 9.7mg.

For the full list of excipients, see section 6.1.

3. PHARMACEUTICAL FORM

Solution for injection (injection).

Clear, colourless to slightly yellow-brown, free from visible particles.

The pH is between 7 and 8 and osmolality is between 300 and 500Osm/kg.

4. CLINICAL PARTICULARS

4.1 Therapeutic indications

Reversal of neuromuscular blockade induced by rocuronium or vecuronium in adults.

For the paediatric population: sugammadex is only recommended for routine reversal of rocuronium induced blockade in children and adolescents aged 2 to 17 years.

4.2 Posology and method of administration

Sugammadex should only be administered by, or under the supervision of an anaesthetist.

Use of an appropriate neuromuscular monitoring technique is recommended to monitor the recovery of neuromuscular blockade (see section 4.4).

The recommended dose of sugammadex depends on the level of neuromuscular blockade to be reversed.

The recommended dose does not depend on the anaesthetic regimen.

Sugammadex can be used to reverse different levels of rocuronium or vecuronium induced neuromuscular blockade:

Routine reversal:

A dose of 4mg/kg sugammadex is recommended if recovery has reached at least 1-2 post-tetanic counts (PTC) following rocuronium or vecuronium induced blockade. Median time to recovery of the T₁-T₁ ratio is 0.9 to 3.5 minutes (see section 5.1).

A dose of 2mg/kg sugammadex is recommended, if spontaneous recovery has occurred up to at least the reappreciation of T₁ following rocuronium or vecuronium induced blockade. Median time to recovery of the T₁-T₁ ratio to 0.9 is around 2 minutes (see section 5.1).

Using the recommended doses for routine reversal will result in a slightly faster time to recovery of the T₁-T₁ ratio of 0.9 of rocuronium when compared to vecuronium induced neuromuscular blockade (see section 5.1).

Immediate reversal of rocuronium-induced blockade:

If there is a clinical need for immediate reversal following administration of rocuronium a dose of 16mg/kg sugammadex is recommended. When 1mg/kg sugammadex is administered 3 minutes after a bolus dose of 1.2mg/kg rocuronium bromide, a median time to recovery of the T₁-T₁ ratio to 0.9 of approximately 1.5 minutes can be expected (see section 5.1).

There is no data to recommend the use of sugammadex for immediate reversal following rocuronium induced blockade.

Re-administration of sugammadex:

In the exceptional situation of recurrence of neuromuscular blockade post-operatively (see section 4.4) after an initial dose of 2mg/kg or 4mg/kg sugammadex, a repeat dose of 4mg/kg sugammadex is recommended.

Following a second dose of sugammadex, the patient should be closely monitored to ascertain sustained return of neuromuscular function.

Re-administration of rocuronium or vecuronium after sugammadex:

For waiting times for re-administration of rocuronium or vecuronium after reversal with sugammadex, see section 4.4.

Additional information on special population

Renal impairment:

The use of sugammadex in patients with severe renal impairment (including patients requiring dialysis (CrCl <30ml/min)) is not recommended (see section 4.4).

Studies in patients with severe renal impairment do not provide sufficient safety information to support the use of sugammadex in these patients (see also section 4.4).

For mild and moderate renal impairment (creatinine clearance ≥30 and <80ml/min), the dose recommendations are the same as for adults without renal impairment.

Elderly patients:

After administration of sugammadex at reappreciation of T₁ following a rocuronium induced blockade, the median time to recovery of the T₁-T₁ ratio to 0.9 in adults (18-64 years) was 2.2 minutes, in elderly adults (65-74 years) it was 2.6 minutes and in very elderly adults (75 years or more) it was 3.6 minutes. Even though the recovery times in elderly tend to be slower, the same dose recommendation as for adults should be followed (see section 4.4).

specific muscle relaxants, rocuronium bromide or vecuronium bromide.

What Sugammadex is used for

When you have some types of operations, your muscles must be completely relaxed. This makes it easier for the surgeon to do the operation. For this, the general anaesthetic you are given includes medicines to make your muscles relax. These are called *muscle relaxants*, and examples include rocuronium bromide and vecuronium bromide. Because these medicines also make your breathing muscles relax, you need help to breathe (artificial ventilation) during and after your operation until you can breathe on your own again. Sugammadex is used to speed up the recovery of your muscles after an operation to allow you to breathe on your own again earlier. It does this by combining with the rocuronium bromide or vecuronium bromide in your body. It can be used in adults with either rocuronium bromide or vecuronium bromide is used and in children and adolescents (aged 2 to 17 years) when rocuronium bromide is used for a moderate level of relaxation.

2. What you need to know before Sugammadex is given

You should not be given Sugammadex

Obese patients:

In obese patients, including morbidly obese patients (body mass index >40), the dose of sugammadex should be based on actual body weight. The same dose recommendations as for adults should be followed.

Hepatic impairment:

Studies in patients with hepatic impairment have not been conducted. Caution should be exercised when considering the use of sugammadex in patients with severe hepatic impairment or when hepatic impairment is accompanied by coagulopathy (see section 4.4).

For mild to moderate hepatic impairment: as sugammadex is mainly excreted renally no dose adjustments are required.

Paediatric population

Children and adolescents (2-17 years):

sugammadex 100mg/ml may be added to 10mg/ml to increase the accuracy of dosing in the paediatric population (see section 6.6).

Routine reversal:

A dose of 4mg/kg sugammadex is recommended for reversal of rocuronium induced blockade if recovery has reached at least 2 PTC.

A dose of 2mg/kg is recommended for reversal of rocuronium induced blockade at reappreciation of T₁ (see section 5.1).

Immediate reversal:

Immediate reversal in children and adolescents has not been investigated and is therefore not recommended until further data become available.

Term newborn infants and infants:

There is only limited experience with the use of sugammadex in infants (30 days to 2 years), and term newborn infants (less than 30 days) have not been studied.

The use of sugammadex in term newborn infants and infants is therefore not recommended until further data become available.

Method of administration

Sugammadex should be administered intravenously as a single bolus injection.

The bolus injection should be given rapidly, within 10 seconds, into an existing intravenous line (see section 6.6).

Sugammadex has only been administered as a single bolus injection in clinical trials.

4.3 Contraindications

Hypersensitivity to the active substance or to any of the excipients listed in section 6.1.

4.4 Special warnings and precautions for use

As is normal post-anaesthetic practice following neuromuscular blockade, it is recommended to monitor the patient in the immediate post-operative period for untoward events including recurrence of neuromuscular blockade.

Monitoring respiratory function

Ventilatory support is mandatory for patients until adequate spontaneous respiration is restored following reversal of neuromuscular blockade. Even if recovery from neuromuscular blockade is complete, other medical products used in the peri- and post-operative period could depress respiratory function and therefore ventilatory support might still be required.

Should neuromuscular blockade recur following extubation, adequate ventilation should be provided.

Recurrence of neuromuscular blockade:

In clinical studies with subjects treated with rocuronium or vecuronium, where sugammadex was administered for the depth of neuromuscular blockade, an incidence of 0.20% was observed for recurrence of neuromuscular blockade as based on neuromuscular monitoring or clinical evidence. The use of lower than recommended doses may lead to an increased risk of recurrence of neuromuscular blockade after initial reversal and is not recommended (see section 4.2 and section 4.8).

Effect on haemostasis:

In a study in volunteers doses of 4mg/kg and 16mg/kg of sugammadex resulted in maximum mean prolongations of the activated partial thromboplastin time (aPTT) by 17 and 22% respectively and prothrombin time international normalized ratio (PTINR) by 11 and 22% respectively. These limited mean aPTT and PTINR prolongations were of short duration (<30 minutes). Based on the clinical data-base (N=5139) and on a specific study in 1184 patients undergoing hip fracture major joint replacement surgery there was no clinically relevant effect of sugammadex 4mg/kg alone or in combination with anticoagulants on the incidence of peri- or post-operative bleeding complications.

In *in vitro* experiments a pharmacodynamic interaction (aPTT and PT prolongation) was noted with vitamin K antagonists, unfractionated heparin, low molecular weight heparinoids, rivaroxaban and dabigatran. In patients receiving routine post-operative prophylactic anticoagulation this pharmacodynamic interaction was not clinically relevant. Caution should be exercised when considering the use of sugammadex in patients receiving therapeutic anticoagulation for a pre-existing or co morbid condition.

An increased risk of bleeding cannot be excluded in patients:

- with hereditary vitamin K dependent clotting factor deficiencies;
- with pre-existing coagulopathies;
- on coumarin derivatives and/or an INR above 3.5;
- using anticoagulants who receive a dose of 16mg/kg sugammadex.

If there is a medical need to give sugammadex to these patients the anaesthetologist needs to decide if the benefits outweigh the possible risk of bleeding complications taking into account the patient's history of bleeding episodes and type of surgery scheduled. If sugammadex is administered to these patients monitoring of haemostasis and coagulation parameters is recommended.

Waiting times for re-administration with neuromuscular blocking agents after reversal with sugammadex:

• if you are allergic to sugammadex or any of the other ingredients of this medicine (listed in section 6).

→ Tell your anaesthetist if this applies to you.

Warnings and precautions

Talk to your anaesthetist before Sugammadex is given

• if you have kidney disease or had it in the past. This is important as Sugammadex is removed from your body by the kidneys;

• if you have liver disease or have had it in the past;

• if you have fluid retention (oedema).

• if you have diseases which are known to give an increased risk of bleeding (disturbances of blood clotting) or anticoagulation medication.

Children and adolescents

This medicine is not recommended for infants less than 2 years of age.

Other medicines and Sugammadex

→ Tell your anaesthetist if you are taking, have recently taken or might take any other medicines.

Sugammadex may affect other medicines or be affected by them.

Some medicines reduce the effect of Sugammadex

→ It is especially important that you tell your anaesthetist if you have recently taken:

- torsemide (used to treat breast cancer).

• fusidic acid (an antibiotic).

Sugammadex can affect hormonal contraceptives

• Sugammadex can make hormonal contraceptives - including the 'Pill', vaginal ring, implants or a hormonal IntraUterine System (IUS) - less effective because it reduces how much you get of the progestogen hormone. The amount of progestogen lost by using Sugammadex is about the same as missing one oral contraceptive pill.

→ If you are taking the **Pill** on the same day as Sugammadex is given to you, follow the instructions for a missed dose in the Pill's package leaflet.

→ If you are using **other** hormonal contraceptives (for example a vaginal ring, implant or IUS) you should use an additional non-hormonal contraceptive method (such as a condom) for the next 7 days and follow the advice in the package leaflet.

Effects on blood tests

In general, Sugammadex does not have an effect on laboratory tests. However, it may affect the results of a blood test for a hormone called progesterone. Talk to your doctor if your progesterone levels need to be tested on the same day you receive Sugammadex.

Pregnancy and breast-feeding

→ Tell your anaesthetist if you are pregnant or might be pregnant or if you are breast-feeding.

You may still be given Sugammadex, but you need to discuss it first.

It is not known whether sugammadex can pass into breast milk. Your anaesthetist will help you decide whether to stop breast-feeding, or whether to abstain from sugammadex therapy, considering the benefit of breast-feeding to the baby and the benefit of Sugammadex to the mother.

Driving and using machines

Sugammadex has no known influence on your ability to drive and use machines.

Sugammadex injection contains sodium

This medicine contains up to 9.7mg sodium (main component of cooking/table salt) in each ml. This is equivalent to 0.5% of the recommended maximum daily dietary intake of sodium for an adult.

It is especially important that you tell your anaesthetist if you are pregnant or might be pregnant or if you are breast-feeding.

You may still be given Sugammadex, but you need to discuss it first.

It is not known whether sugammadex can pass into breast milk. Your anaesthetist will help you decide whether to stop breast-feeding, or whether to abstain from sugammadex therapy, considering the benefit of breast-feeding to the baby and the benefit of Sugammadex to the mother.

Driving and using machines

Sugammadex has no known influence on your ability to drive and use machines.

Sugammadex injection contains sodium

This medicine contains up to 9.7mg sodium (main component of cooking/table salt) in each ml. This is equivalent to 0.5% of the recommended maximum daily dietary intake of sodium for an adult.

3. How Sugammadex is given

Sugammadex will be given to you by your anaesthetist, or under the care of your anaesthetist.

The most commonly reported adverse reactions in surgical patients were cough, airway complication of anaesthesia, anaesthetic complications, procedural hypotension and procedural complication (Common <=1/100 to <=1/10).

Table 2: Tabulated list of adverse reactions

The safety of sugammadex has been evaluated in 3,519 unique subjects across a pooled phase III safety database. The following adverse reactions were reported in placebo controlled trials where subjects received anaesthesia and/or neuromuscular blocking agents (1,078 unique exposures to sugammadex versus 544 to placebo):

[Very common (>=10%), common (>=1/100 to <=1/10), uncommon (>=1/1,000 to <=1/100), rare (<=1/10,000 to <=1/1,000), very rare (<=1/10,000)]

GLUE AREA
NO PRINTING

OPTICAL
CODE

PHARMA CODE

OPTICAL
CODE

Sugammadex 100mg/ml **Solution for Injection**

sugammadex

GLUE AREA
NO PRINTING

COD

The dose
Your anaesthetist will work out the dose of Sugammadex you need based on:
• your weight
• how much the muscle relaxant medicine is still affecting you.

The usual dose is 2-4mg per kg body weight for adults and for children and adolescents between 2-17 years old. A dose of 16mg/kg can be used in adults if urgent recovery from muscle relaxation is needed.

How Sugammadex is given
Sugammadex will be given to you by your anaesthetist. It is given as a single injection through an intravenous line.
If more Sugammadex is given to you than recommended

As your anaesthetist will be monitoring your condition carefully, it is unlikely that you will be given too much Sugammadex. But even if this happens, it is unlikely to cause any problems.

If you have any further questions on the use of this medicine, ask your anaesthetist or other doctor.

4. Possible side effects

Like all medicines, this medicine can cause side effects,

System organ class	Frequencies	Adverse reactions (preferred terms)
Immune system disorders	Uncommon	Drug hypersensitivity reactions (see section 4.4)
Respiratory, thoracic and mediastinal disorders	Common	Cough
Injury, poisoning and procedural complications	Common	Airway complication of anaesthesia Anaesthetic complication Hypotension Procedural hypotension Procedural complication

Marked bradycardia:
In post-marketing, isolated cases of marked bradycardia and bradycardia with cardiac arrest have been observed within 10 minutes after administration of Sugammadex (see section 4.4).
Recurrence of neuromuscular blockade:
In clinical studies with subjects treated with rocuronium or vecuronium, where Sugammadex was administered using a dose labelled for the depth of neuromuscular blockade (N=2,022), an incidence of 0.20% was observed for recurrence of neuromuscular blockade as based on neuromuscular monitoring or clinical evidence (see section 4.4).
Information on healthy volunteers:
A randomised, double-blind study examined the incidence of drug hypersensitivity reactions in healthy volunteers given up to 3 doses of placebo (N=76), sugammadex 4mg/kg (N=151) or sugammadex 16mg/kg (N=148). Reports of suspected hypersensitivity were adjudicated by a blinded committee. The incidence of adjudicated hypersensitivity was 1.3%, 6.6% and 5.5% in the placebo, sugammadex 4mg/kg and sugammadex 16mg/kg groups, respectively. There were no reports of anaphylaxis after placebo or sugammadex 4mg/kg. There was a single case of adjudicated anaphylaxis after the first dose of sugammadex 16mg/kg (incidence 0.7%). There was no evidence of increased frequency or severity of hypersensitivity with repeat dosing of sugammadex. In a previous study of similar design, there were three adjudicated cases of anaphylaxis, all after sugammadex 16mg/kg (incidence 2.0%).
In the Pooled Phase 1 database, AEs considered common ($\geq 1/100$ to $< 1/10$) or very common ($\geq 1/10$) and more frequent among subjects treated with sugammadex than in the placebo group, include dyspnoea (10.1%), headache (6.7%), nausea (5.6%), urticaria (1.7%), pruritus (1.7%), dizziness (1.6%), vomiting (1.2%) and abdominal pain (1.0%).

Additional information on special populations

Pulmonary patients:
In post-marketing data and in one dedicated clinical trial in patients with a history of pulmonary complications, bronchospasm was reported as a possibly severe adverse event. As in all patients with a history of pulmonary complications, the physician should be aware of the possible occurrence of bronchospasm.

Paediatric population
In studies of paediatric patients 2 to 17 years of age, the adverse reaction profile of sugammadex (up to 4mg/kg) was generally similar to the profile observed in adults. **Morbidity patients:**
In one dedicated clinical trial in morbidly obese patients, the adverse reaction profile was generally similar to the profile in adult patients in pooled Phase 1 to 3 studies (see Table 2).

Patients with severe systemic disease
In a trial in patients who were assessed as American Society of Anesthesiologists (ASA) Class 3 or 4 (patients with severe systemic disease or patients with severe systemic disease that is a constant threat to life), the adverse reaction profile in these ASA Class 3 and 4 patients was generally similar to that of adult patients in pooled Phase 1 to 3 studies (see Table 2). See section 5.1.

Reporting of suspected adverse reactions
Reporting suspected adverse reactions after authorisation of the medicinal product is important. It allows continuous monitoring of the benefit/risk balance of the medicinal product. Healthcare professionals are asked to report any suspected adverse reactions via the Yellow Card Scheme at: www.mhra.gov.uk/yellowcard or search for MHRA Yellow Card in the Google Play or Apple App Store.

4.9 Overdose
In clinical studies, 1 case of an accidental overdose with 40mg/kg was reported without any significant adverse reactions. In a human tolerance study sugammadex was administered in doses up to 96mg/kg. No dose related adverse events nor serious adverse events were reported. Sugammadex can be reversed using haemodialysis with a high flux filter, but not with a low flux filter. Based upon clinical studies, sugammadex concentrations in plasma are reduced by up to 70% after a 3 to 6-hour dialysis session.

5. PHARMACOLOGICAL PROPERTIES
5.1 Pharmacodynamic properties
Pharmacotherapeutic group: all other therapeutic products, antidotes, ATC code: W03AB35

Mechanism of action
Sugammadex is a modified gamma cyclodextrin which is a Selective Releasant Binding Agent. It forms a complex with the neuromuscular blocking agents rocuronium or vecuronium in plasma and thereby reduces the amount of neuromuscular blocking agent available to bind to nicotinic receptors at the neuromuscular junction. This results in the reversal of neuromuscular blockade induced by rocuronium or vecuronium.

Pharmacodynamic effects
Sugammadex has been administered in doses ranging from 0.5mg/kg to 16mg/kg in dose response studies of rocuronium induced blockade (0.6, 0.9, 1.0 and 1.2mg/kg rocuronium bromide with and without maintenance doses) and vecuronium induced blockade (0.1 mg/kg vecuronium bromide with and without maintenance doses) at different time points/depths of blockade. In these studies a clear dose-response relationship was observed.

Clinical efficacy and safety
Sugammadex can be administered at several time points after administration of rocuronium or vecuronium bromide:

Routine reversal – deep neuromuscular blockade:
In a pivotal study patients were randomly assigned to the rocuronium or vecuronium group. After the last dose of rocuronium or vecuronium, at 1-2 PTCs, 4mg/kg sugammadex or 70mg/kg neostigmine was administered in a randomised order. The time from start of administration of sugammadex or neostigmine to recovery of the T₁/T₁ ratio to 0.9 was:

although not everybody gets them. If these side effects occur while you are under anaesthesia, they will be seen and treated by your anaesthetist.

Common side effects (may affect up to 1 in 10 people)
• Cough
• Airway difficulties that may include coughing or moving as if you are waking or taking a breath
• Light anaesthesia – you may start to come out of deep sleep, so need more anaesthesia. This might cause you to move or cough at the end of the operation
• Complications during your procedure such as changes in heart rate, coughing or moving
• Decreased blood pressure due to the surgical procedure.

Uncommon side effects (may affect up to 1 in 100 people)
• Shortness of breath due to muscle cramps of the airways (bronchospasm), occurred in patients with a history of lung problems
• Allergic (drug hypersensitivity) reactions – such as a rash, red skin, swelling of your tongue and/or throat, shortness of breath, changes in blood pressure or heart rate, sometimes resulting in a serious decrease of blood pressure. Severe allergic or allergic-like reactions can be

life threatening. Allergic reactions were reported more commonly in healthy, conscious volunteers
• Return of muscle relaxation after the operation.

Frequency not known
• Severe slowing of the heart and slowing of the heart up to cardiac arrest may occur when Sugammadex is administered.

Reporting of side effects
If you get any side effects, talk to your anaesthetist or other doctor. This includes any possible side effects not listed in this leaflet. You can also report side effects directly via the Yellow Card Scheme at: www.mhra.gov.uk/yellowcard or search for MHRA Yellow Card in the Google Play or Apple App Store. By reporting side effects you can help provide more information on the safety of this medicine.

5. How to store Sugammadex
Storage will be handled by healthcare professionals. Keep this medicine out of the sight and reach of children. Do not use this medicine after the expiry date which is stated on the carton and on the label after EXP. The expiry date refers to the last day of that month.

not to freeze. Keep the vial in the outer carton in order to protect from light.
After first opening and dilution, store at 2 to 8°C protected from light and use within 24 hours.

6. Contents of the pack and other information
What Sugammadex contains
- The active substance is sugammadex.
1ml solution for injection contains sugammadex sodium equivalent to 100mg sugammadex.
Each vial of 5ml contains sugammadex sodium equivalent to 200mg sugammadex.
Each vial of 5ml contains sugammadex sodium equivalent to 500mg sugammadex.
- The other ingredients are water for injections, hydrochloric acid and/or sodium hydroxide.

What Sugammadex looks like and contents of the pack
Sugammadex is a clear and colourless to slightly yellow-brown solution for injection.
It comes in two different pack sizes, containing either 10 vials with 2ml or 10 vials with 5ml solution for injection. Not all pack sizes may be marketed.

Marketing Authorisation Holder
Wockhard UK Ltd.
Ash Road North, Wrexham, LL13 9UF, UK
Manufacturer
PLIVA Hrvatska d.o.o. (PLIVA Croatia Ltd.)
Prilaz baruna Filipovića 25
Zagreb 10000
Croatia

Other formats:
To listen to or request a copy of this leaflet in Braille, large print or audio please call, free of charge: 0800 198 5000. Please be ready to give the following information:

Product Name	Reference Number
Sugammadex 100mg/ml Solution for Injection	29831/0767

This is a service provided by the Royal National Institute of Blind People.
This leaflet was last revised in 09/2023.

108724/2

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT

WOCKHARDT