CODING AND REIMBURSEMENT GUIDE

Diagnosis, NDC, and ICD-10-CM\(^1\) billing codes for Coagulation Factor IX (Recombinant), Albumin Fusion Protein

THE FIRST AND ONLY rFIX THERAPY THAT DELIVERS HIGH-LEVEL PROTECTION WITH UP TO 14-DAY DOSING*

*In well-controlled patients 12 years and older, defined as 1 month without spontaneous bleeding on a weekly dose of ≤40 IU/kg.

Please see Important Safety Information on back page and accompanying full prescribing information for IDELVION.
IDELVION CODING INFORMATION

Diagnosis and Billing Codes for Coagulation Factor IX (Recombinant), Albumin Fusion Protein

Disclaimer: The codes being provided are from a complex and evolving medical coding system. The treating physician is solely responsible for diagnosis coding and determination of the appropriate ICD-10-CM codes that describe the patient’s condition and are supported by the medical record. All codes are provided for informational purposes and are not an exhaustive list. The CPT®, HCPCS, ICD-10-CM, and ICD-10-PCS codes provided are based on AMA or CMS guidelines. The billing party is solely responsible for coding of services (eg, CPT® coding). Because government and other third-party payor coding requirements change periodically, please verify current coding requirements directly with the payor being billed.

For questions regarding denied claims or assistance with pre-certifications and the appeals process, please:

![IDELVION RESOURCE CENTER AT 1-800-676-4266]

ICD-10-CM Diagnosis Code¹

The following ICD-10-CM code may be used to identify patient medical conditions typically associated with hemophilia B.

<table>
<thead>
<tr>
<th>ICD-10-CM Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D67</td>
<td>Hereditary Factor IX deficiency</td>
</tr>
</tbody>
</table>

HCPCS Codes²

The following represents the drug code for IDELVION (Coagulation Factor IX [Recombinant], Albumin Fusion Protein). The prescriber is advised to verify with the payor or Medicare fiscal intermediary to determine the correct code(s).

<table>
<thead>
<tr>
<th>HCPCS Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>J7202</td>
<td>Injection, Factor IX, albumin fusion protein (recombinant), IDELVION, 1 IU</td>
</tr>
</tbody>
</table>

IDELVION National Drug Codes (NDCs)

The bolded “0” below represents the additional digit required for 11-digit formatting, which must be used for claims filing.

<table>
<thead>
<tr>
<th>NDC</th>
<th>Nominal Strength* International Units (IU)</th>
</tr>
</thead>
<tbody>
<tr>
<td>69911-0064-02</td>
<td>250 IU of coagulation Factor IX</td>
</tr>
<tr>
<td>69911-0065-02</td>
<td>500 IU of coagulation Factor IX</td>
</tr>
<tr>
<td>69911-0066-02</td>
<td>1000 IU of coagulation Factor IX</td>
</tr>
<tr>
<td>69911-0067-02</td>
<td>2000 IU of coagulation Factor IX</td>
</tr>
<tr>
<td>69911-0069-02</td>
<td>3500 IU of coagulation Factor IX</td>
</tr>
</tbody>
</table>

*Report the actual number of Factor IX units printed on the vial or carton.

IDELVION DRUG ADMINISTRATION CODES

CPT® Administration Codes: Outpatient Facilities or Physician’s Office³

The following CPT® codes describe the procedure of IDELVION administration, and will vary depending on the length of the infusion.

<table>
<thead>
<tr>
<th>CPT Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>96374</td>
<td>Intravenous push, single or initial substance/drug—report for infusion of 15 minutes or less</td>
</tr>
<tr>
<td>96376</td>
<td>Each additional sequential intravenous push of the same substance/drug provided in a facility (Facility use only)—list separately in addition to code for primary procedure</td>
</tr>
<tr>
<td>96365</td>
<td>Intravenous infusion, for therapy, prophylaxis, or diagnosis, initial, up to 1 hour</td>
</tr>
</tbody>
</table>

Please see Important Safety Information on back page and accompanying full prescribing information for IDELVION.
**IDELVION CMS-1500 CLAIM FORM DETAILS**

**Claim Form Example**

**A** Field 21: Diagnosis or Nature of Illness or Injury

Enter the ICD-10-CM diagnosis code(s) that best describes the reason the patient is receiving care.

**B** Field 24: Shaded Area

For Medicaid claims, and for Medicare claims that will cross over to Medicaid as the secondary payer, NDC information in a specific format is required in the shaded area above the line on which IDELVION is reported in Field 24D. The various Medicaid plans and Medicare have different reporting formats for this information. In general, the provider will need to supply the NDC in an 11-digit format preceded by the modifier N4 (N4XXXXX

• Other payors may require similar information. Check with the payor for specific requirements.

**C** Field 24D: CPT/HCPCS/Modifier

Enter HCPCS /J7202 for IDELVION.

Modifier JW “Drug amount discarded, not administered to any patient.”

On a separate line, submit modifier JW plus any units in a single-use vial that are documented as discarded. Effective January 1, 2017, Medicare claims for discarded drugs or biologicals amount not administered to any patient shall be submitted using the JW modifier.

Examples of CPT coding options for the IV infusion/IV push of IDELVION are:

- 93635 (Intravenous infusion for therapy, prophylaxis or diagnosis; initial, up to 1 hour)
- 96374 (Therapeutic, prophylactic or diagnostic injection; intravenous push, single or initial substance/drug).

The code selected is based on the documented service provided to the patient.

**D** Field 24E: Diagnosis Pointer

Enter the line number(s) from Field 21 that best describes the medical necessity for the service listed in Field 24D.

**E** Field 24G: Days or Units

Enter one billing unit for every international unit (IU) of IDELVION printed on the vial or carton.

Please see Important Safety Information on back page and accompanying full prescribing information for IDELVION.
**ICD-10-PCS (Procedure Coding System)**

The following codes apply to the hospital inpatient setting:

<table>
<thead>
<tr>
<th>Procedure</th>
<th>ICD-10 Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infusion of Factor IX</td>
<td>30233W1</td>
<td>Transfusion of Nonautologous Factor IX Into Peripheral Vein, Percutaneous Approach</td>
</tr>
<tr>
<td>Infusion of Factor IX</td>
<td>30243W1</td>
<td>Transfusion of Nonautologous Factor IX Into Central Vein, Percutaneous Approach</td>
</tr>
</tbody>
</table>

**Hospital Revenue Codes**

Revenue codes may apply to IDELVION in the inpatient and outpatient settings and are used in conjunction with drug HCPCS codes.

<table>
<thead>
<tr>
<th>Category</th>
<th>Code Series</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharmacy</td>
<td>025X</td>
<td>Pharmacy</td>
</tr>
<tr>
<td>Hospital blood service</td>
<td>038X</td>
<td>Blood and blood derivatives</td>
</tr>
<tr>
<td>Drugs that require</td>
<td>0636</td>
<td>Revenue code 0636 is necessary for submitting Medicare claims for blood clotting factors provided in a hospital</td>
</tr>
<tr>
<td>specific identification</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Please see Important Safety Information on back page and accompanying full prescribing information for IDELVION.
**Claim Form Example**

<table>
<thead>
<tr>
<th>Field 42: Revenue Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter a revenue code that corresponds to the item or service reported in Field 43 or Field 44. The revenue code associated with IDELVION is typically “0636” (drugs requiring detailed coding). However, the revenue code selected is often facility-dependent, taking into consideration various payer requirements.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field 43: Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Medicaid claims, and for Medicare claims that will cross over to Medicaid as the secondary payer, NDC information in a specific format is required in Field 43. The various Medicaid plans and Medicare have different reporting formats for this information. In general, the provider will need to supply the NDC in an 11-digit format preceded by the modifier M4 (N4000000-00000000). This is typically followed by the unit of measure (F2 [International Units]) and the numeric quantity of the NDC that was dispensed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field 44: HCPCS/Rate/HIPPS Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter HCPCS Code J7202 for IDELVION. Modifier JW “Drug amount discarded, not administered to any patient.” Effective January 1, 2017, Medicare claims for discarded drugs or biologicals amount not administered to any patient shall be submitted using the JW modifier. For IDELVION, this is captured on a separate line in Field 44 as J7203JW, plus any units in a single-use vial that are documented as discarded in Field 46. When filing an outpatient claim on a separate line, enter the CPT code that represents the administration procedure performed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field 46: Service Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter one billing unit for every international unit (IU) of IDELVION. (The exact number of units contained in the vial is printed on the vial of carton.)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field 67: Diagnosis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter the primary ICD-10-CM diagnosis code in Field 67. Conditions that coexist with the primary diagnosis or develop during treatment can be entered in Fields 67A-67Q.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field 74: Principal Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>When filing an inpatient claim, enter ICD-10-CM principal procedure code, for example, J0233W1 Transfusion of Nontargeted Factor IX into Peripheral Vein, Percutaneous Approach.</td>
</tr>
</tbody>
</table>

**Claim Form Example**

**IDELVION UB-04 CLAIM FORM DETAILS**

Please see Important Safety Information on back page and accompanying full prescribing information for IDELVION.
My Source℠ for IDELVION offers services above and beyond reimbursement support for your patients, including:

- **IDELVION Trial Program**—Get your patients a free one-month prescription to see if IDELVION is right for them*
- **Co-pay savings**—The My Access® for IDELVION program may cover up to $12,000 of patient out-of-pocket expenses
- **CSL Behring Assurance℠ Program**—Helps patients who rely on IDELVION continue to receive treatment when a lapse in coverage occurs

*Because dosing is based on various patient traits (such as weight, metabolism, etc), there may be a cap to the 30-day supply.

### Important Safety Information

IDELVION is indicated in children and adults with hemophilia B (congenital Factor IX deficiency) for:

- On-demand control and prevention of bleeding episodes
- Perioperative management of bleeding
- Routine prophylaxis to prevent or reduce the frequency of bleeding episodes

IDELVION is not indicated for induction of immune tolerance in patients with hemophilia B.

IDELVION is contraindicated in patients who have had life-threatening hypersensitivity to the product or its components, including hamster proteins.

IDELVION is for intravenous use only. IDELVION can be self-administered or administered by a caregiver with training and approval from a healthcare provider or hemophilia treatment center. Higher dose per kilogram body weight or more frequent dosing may be needed for pediatric patients.

Hypersensitivity reactions, including anaphylaxis, are possible. Advise patients who self-administer to immediately report symptoms of hypersensitivity, including angioedema, chest tightness, hypotension, generalized urticaria, wheezing, and dyspnea. If symptoms occur, discontinue IDELVION and administer appropriate treatment.

Development of neutralizing antibodies (inhibitors) to IDELVION may occur. If expected Factor IX activity plasma levels are not attained or bleeding is not controlled with appropriate dose, perform an assay to measure Factor IX inhibitor concentration.

Factor IX activity assay results may vary with the type of activated partial thromboplastin time reagent used.

Thromboembolism (e.g., pulmonary embolism, venous thrombosis, and arterial thrombosis) can occur when using Factor IX-containing products. In addition, nephrotic syndrome has been reported following immune tolerance induction in hemophilia B patients with Factor IX inhibitors and allergic reactions to Factor IX.

The most common adverse reaction (incidence ≥1%) reported in clinical trials was headache.

### Please see accompanying full prescribing information for IDELVION.

**References:**
IDELVION® [Coagulation Factor IX (Recombinant), Albumin Fusion Protein] Lyophilized Powder for Solution for Intravenous Injection

Initial U.S. Approval: 2016

Indications and Usage:

- Routine prophylaxis: Patients <12 years of age: 25-40 IU/kg body weight every 7 days. Patients ≥12 years of age: 40-55 IU/kg body weight every 7 days.

Dosage and Administration:

- For intravenous use after reconstitution only.
- On-demand treatment and control of bleeding episodes
- Perioperative management of bleeding
- Routine prophylaxis to reduce the frequency of bleeding episodes

Limitations of Use:

- IDELVION is not indicated for immune tolerance induction in patients with Hemophilia B.
- Factor IX activity assay results may vary with the type of activated partial thromboplastin time reagent used.

Warnings and Precautions:

- Hypersensitivity reactions, including anaphylaxis, are possible. Should symptoms occur, discontinue IDELVION and administer appropriate treatment.
- Development of neutralizing antibodies (inhibitors) to IDELVION may occur. If expected Factor IX plasma recovery in patient plasma is not attained, or if bleeding is not controlled with an appropriate dose, perform an assay that measures Factor IX inhibitor concentration.
- Thromboembolism (e.g., pulmonary embolism, venous thrombosis, and arterial thrombosis) may occur when using Factor IX-containing products.
- Nephrotic syndrome has been reported following immune tolerance induction with Factor IX-containing products in hemophilia B patients with Factor IX inhibitors and a history of allergic reactions to Factor IX.
- Factor IX activity assay results may vary with the type of activated partial thromboplastin time reagent used.

Adverse Reactions:

- The most common adverse reaction (incidence ≥1%) reported in clinical trials was headache.
- To report SUSPECTED ADVERSE REACTIONS, contact CSL Behring Pharmacovigilance Department at 1-866-915-6958 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

Use in Specific Populations:

- Pediatric: Higher dose per kilogram body weight or more frequent dosing may be needed.

Full Prescribing Information:

1. Indications and Usage
2. Dosage and Administration
3. Dosage Forms and Strengths
4. Contraindications
5. Warnings and Precautions
6. Adverse Reactions
7. Use in Specific Populations
8. Use in Certain Conditions
9. Description
10. Clinical Pharmacology
11. Nonclinical Toxicology
12. Clinical Studies
13. references
14. How Supplied/Storage and Handling
15. Patient Counseling Information

* Sections or subsections omitted from the full prescribing information are not listed.
**CSL Behring**  
**FULL PRESCRIBING INFORMATION**  
**IDELVION®**  
**Coagulation Factor IX (Recombinant), Albumin Fusion Protein (rIX-FP)**

1 **INDICATIONS AND USAGE**

IDELVION®, Coagulation Factor IX (Recombinant), Albumin Fusion Protein (rIX-FP), a recombinant DNA-derived coagulation Factor IX concentrate, is indicated in children and adults with Hemophilia B (congenital Factor IX deficiency) for:

- On-demand treatment and control of bleeding episodes
- Perioperative management of bleeding
- Routine prophylaxis to reduce the frequency of bleeding episodes

**Limitations of Use:** IDELVION is not indicated for immune tolerance induction in patients with Hemophilia B.

2 **DOSEAGE AND ADMINISTRATION**

**For intravenous use after reconstitution only.**

2.1 **Dosage**

- Each vial of IDELVION contains the recombinant Factor IX potency in international units (IU) that is stated on the carton and vial label.
- Dosage and duration of treatment with IDELVION depends on the severity of Factor IX deficiency, the location and extent of bleeding, and the patient’s clinical condition, age and recovery of Factor IX.
- The calculation of the required dose of IDELVION is based on the empirical finding that one IU of IDELVION per kg body weight is expected to increase the circulating level of Factor IX by 1.3 IU/dL in patients ≥12 years of age and by 1 IU/dL in patients <12 years of age. The required dose of IDELVION for treatment of bleeding episodes is determined using the following formula:

\[
\text{Required Units (IU)} = \text{Body Weight (kg)} \times \text{Desired Factor IX rise (% of normal or IU/dL)} \times \left(\frac{1}{\text{Reciprocal of recovery (IU/kg per IU/dL)}}\right)
\]

Increase in Factor IX IU/dL (or % of normal) = Dose (IU) x Recovery (IU/dL per IU/kg)/body weight (kg)

- Adjust the dose based on the individual patient’s clinical condition and response.

**On-demand Treatment and Control of Bleeding Episodes**

A guide for dosing IDELVION for the on-demand treatment and control of bleeding episodes is provided in Table 1. Dosing should aim at maintaining a plasma Factor IX activity level at or above the plasma levels (in % of normal or IU/dL) outlined in Table 1.

<table>
<thead>
<tr>
<th>Type of Bleeding Episode</th>
<th>Circulating Factor IX Activity Required (% or [IU/dL])</th>
<th>Frequency of Dosing (hours)</th>
<th>Duration of Therapy (days)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor or Moderate Uncomplicated hemarthrosis, muscle bleeding (except iliospsoas) or oral bleeding</td>
<td>30-60</td>
<td>48-72</td>
<td>At least 1 day, until bleeding stops and healing is achieved. Single dose should be sufficient for majority of bleeds.</td>
</tr>
<tr>
<td>Major Life or limb threatening hemorrhage, deep muscle bleeding, including iliospsoas, intracranial, retropharyngeal</td>
<td>60-100</td>
<td>48-72</td>
<td>7-14 days, until bleeding stops and healing is achieved. Maintenance dose weekly.</td>
</tr>
</tbody>
</table>

Adapted from the WFH Guidelines for the Management of Hemophilia.

**Table 2. Dosing for Perioperative Management of Bleeding**

<table>
<thead>
<tr>
<th>Type of Surgery</th>
<th>Circulating Factor IX Activity Required (% or [IU/dL])</th>
<th>Frequency of Dosing (hours)</th>
<th>Duration of Therapy (days)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor (including uncomplicated tooth extraction)</td>
<td>50-80</td>
<td>48-72</td>
<td>At least 1 day, or until healing is achieved. Single dose should be sufficient for a majority of minor surgeries.</td>
</tr>
<tr>
<td>Major (including intracranial, pharyngeal, retropharyngeal, retroperitoneal)</td>
<td>60-100 (initial level)</td>
<td>48-72</td>
<td>7-14 days, or until bleeding stops and healing is achieved. Repeat dose every 48-72 hours for the first week or until healing is achieved. Maintenance dose 1-2 times per week.</td>
</tr>
</tbody>
</table>

Adapted from the WFH Guidelines for the Management of Hemophilia.

** Routine Prophylaxis**

For patients ≥12 years of age, the recommended dose is 25-40 IU IDELVION per kg body weight every 7 days. Patients who are well-controlled on this regimen may be switched to a 14-day interval at 50-75 IU IDELVION per kg body weight [see Clinical Studies (14)].

**2.2 Preparation and Reconstitution**

The procedures below are provided as general guidelines for the preparation and reconstitution of IDELVION.

- Always work on a clean surface and wash your hands before performing the following procedures.
- Use aseptic technique during the reconstitution procedure.
- Reconstitute IDELVION using the diluent (Sterile Water for Injection) and transfer device (Mix2Vial) provided in the kit.
- To administer, you will also need a syringe and suitable needle (not provided).
- Ensure the vials of IDELVION and the Sterile Water for Injection are at room temperature before mixing.
- The reconstitution is performed as described in Table 3.

<table>
<thead>
<tr>
<th>Table 3. IDELVION Reconstitution Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Place the IDELVION vial, diluent vial, and Mix2Vial® transfer set on a flat surface.</td>
</tr>
<tr>
<td>2. Remove flip caps from the IDELVION and Sterile Water for Injection (diluent) vials.</td>
</tr>
<tr>
<td>3. Wipe the stoppers with the sterile alcohol swab provided and allow to dry prior to opening the Mix2Vial transfer set package.</td>
</tr>
<tr>
<td>4. Open the Mix2Vial transfer set package by peeling away the lid (Fig. 1). Do not remove the device from the package.</td>
</tr>
<tr>
<td>5. Place the diluent vial on a flat surface and hold the vial tightly. Grip the Mix2Vial transfer set together with the clear package and push the plastic spike at the blue end of the Mix2Vial transfer set firmly through the center of the stopper of the diluent vial (Fig. 2).</td>
</tr>
<tr>
<td>6. Carefully remove the clear package from the Mix2Vial transfer set. Do not remove the Mix2Vial transfer set or touch the exposed end of the device (Fig. 3).</td>
</tr>
<tr>
<td>7. With the IDELVION vial placed firmly on a flat surface, invert the diluent vial with the Mix2Vial transfer set attached and push the plastic spike of the transparent adapter firmly through the center of the stopper of the IDELVION vial (Fig. 4). The diluent will automatically transfer into the IDELVION vial.</td>
</tr>
<tr>
<td>8. With the diluent and IDELVION vial still attached to the Mix2Vial transfer set, gently swirl the IDELVION vial to ensure that the powder is fully dissolved (Fig. 5). Do not shake the vial.</td>
</tr>
</tbody>
</table>

Adapted from the WFH Guidelines for the Management of Hemophilia.
9. With one hand, grasp the IDELVION side of the Mix2Vial transfer set and with the other hand grasp the blue diluent-side of the Mix2Vial transfer set, and unscrew the set into two pieces (Fig. 6).

10. Draw air into an empty, sterile syringe. While the IDELVION vial is upright, screw the syringe to the Mix2Vial transfer set. Inject air into the IDELVION vial.

11. While keeping the syringe plunger pressed, invert the system upside down and draw the concentrate into the syringe by pulling the plunger back slowly (Fig. 7).

12. Disconnect the filled syringe by unscrewing it from the Mix2Vial transfer set (Fig. 8). The reconstituted solution should be a clear or yellow to colorless solution. Do not use if particulate matter or discoloration is observed.

13. Use immediately or within 4 hours of reconstitution. Store reconstituted solution at room temperature. Do not refrigerate.

14. If the dose requires more than one vial, use a separate, unused Mix2Vial transfer set and Sterile Water for Injection (diluent) vial for each product vial. Repeat steps 10-12 to pool the contents of the vials into one syringe.

2.3 Administration
For intravenous injection only.
- Do not mix or infuse IDELVION in the same tubing or container with other medicinal products.
- Visually inspect the final solution for particulate matter and discoloration prior to administration, and whenever solution and container permit. Do not use if particulate matter or discoloration is observed.
- Attach the syringe containing the reconstituted IDELVION solution to a sterile infusion set and administer by intravenous injection. Adapt the infusion rate to the comfort level of each patient, not exceeding 10 mL per minute.
- Administer IDELVION at room temperature and within 4 hours of reconstitution. Discard any unused product.

3 DOSAGE FORMS AND STRENGTHS
IDELVION is a pale yellow to white lyophilized powder supplied in single-use vials containing nominally 250, 500, 1000, 2000, or 3500 IU of Factor IX potency. The actual factor IX potency is labeled on each vial and carton.

4 CONTRAINDICATIONS
IDELVION is contraindicated in patients who have had life-threatening hypersensitivity reactions to Factor IX products, or its components, including hamster proteins [see Warnings and Precautions (5.1)].

5 WARNINGS AND PRECAUTIONS
5.1 Hypersensitivity Reactions
Hypersensitivity reactions, including anaphylaxis, are possible. Early signs of hypersensitivity reactions, which can progress to anaphylaxis include angioedema, chest tightness, hypotension, generalized urticaria, wheezing, and dyspnea. If hypersensitivity symptoms occur, immediately discontinue administration and initiate appropriate treatment.
IDELVION contains trace amounts of Chinese hamster ovary (CHO) proteins. Patients treated with this product may develop hypersensitivity to these non-human mammalian proteins.

5.2 Neutralizing Antibodies
The formation of neutralizing antibodies (inhibitors) to Factor IX may occur. Monitor all patients treated with IDELVION for the development of neutralizing antibodies (inhibitors) by appropriate clinical observations or laboratory tests. Perform an assay that measures Factor IX inhibitor concentration if expected plasma Factor IX activity levels are not attained, or if the bleeding is not controlled with an appropriate dose.
Patients with Factor IX inhibitors are at an increased risk of severe hypersensitivity reactions or anaphylaxis if re-exposed to Factor IX. Evaluate patients experiencing allergic reactions for the presence of an inhibitor and closely monitor patients with inhibitors for signs and symptoms of acute hypersensitivity reactions, particularly during early phases of exposure to the product [see Warnings and Precautions (5.1)].

5.3 Thromboembolic Complications
Thromboembolism (e.g., pulmonary embolism, venous thrombosis, and arterial thrombosis) may occur when using Factor IX-containing products. Because of the potential risk for thromboembolism with the use of Factor IX products, monitor for early signs of thromboembolism and consumptive coagulopathy when administering IDELVION to patients with liver disease, fibrolysis, periprosthetic status, or risk factors for thromboembolic events or disseminated intravascular coagulation.

5.4 Nephrotic Syndrome
Nephrotic syndrome has been reported following attempted immune tolerance induction in hemophilia B patients with Factor IX inhibitors and a history of allergic reactions. The safety and efficacy of using IDELVION for immune tolerance induction have not been established.

5.5 Monitoring Laboratory Tests
- Monitor Factor IX plasma levels by a one-stage clotting assay to confirm that adequate Factor IX levels have been achieved and maintained [see Dosage and Administration (2.1)]. Factor IX activity assay results may vary with the type of activated partial thromboplastin time (aPTT) reagent used in the assay system. For example, kaolin-based aPTT reagents along with other reagents designed to exhibit low responsiveness to lupus anticoagulant have been shown to result in approximately 50% lower than expected recovery based on labeled potency.
- Consistent with similar findings for other recombinant Factor IX products, overestimation of Factor IX activity in spiked samples of IDELVION (mean overestimation 32%) occurred at low Factor IX levels with commonly used aPTT reagents.
- Monitor patients for the development of inhibitors if expected Factor IX activity plasma levels are not attained, or if bleeding is not controlled with the recommended dose of IDELVION. Assays used to determine if a Factor IX inhibitor is present should be titrated in Bethesda Units (BU).

6 ADVERSE REACTIONS
The most common adverse reaction (incidence ≥1%) reported in clinical trials was headache.

6.1 Clinical Trials Experience
Because clinical studies are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in clinical practice. In five multicenter, prospective, open-label clinical trials with IDELVION, 111 previously treated patients (PTPs; exposed to a Factor IX-containing product for ≥100 exposure days) received at least one infusion of IDELVION as part of on-demand treatment of bleeding episodes, perioperative management of major and minor surgical, dental, or other invasive procedures, routine prophylaxis, or pharmacokinetic evaluation. Twenty-seven children were <12 years of age, 9 adolescents were 12 to <18 years of age, and 75 adults were ≥18 to ≤65 years of age. A total of 8,274 injections were administered over a median of 600 days (range: 25 to 1,288 days). Adverse reactions that occurred ≥0.5% of subjects are listed in Table 4.

<table>
<thead>
<tr>
<th>Table 4. Summary of Adverse Reactions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MedRA Standard System Organ Class</td>
</tr>
<tr>
<td>-------------------------------------</td>
</tr>
<tr>
<td>Nervous system disorders</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Immune system disorders</td>
</tr>
<tr>
<td>Skin and subcutaneous tissue disorders</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

6.2 Immunogenicity
All subjects were monitored for inhibitory and binding antibodies to rFIX-FP (specifically rFIX, pdFIX and albumin), and binding antibodies to CHO host cell proteins at the following time points: at screening, at 2-4 weeks, 12 weeks following the first infusion of IDELVION, every 3 months thereafter (every 6 months for binding antibodies in children). No subjects developed antibodies to Factor IX, or non-neutralizing antibodies against factor IX, albumin and CHO protein at any of the time points following infusion of IDELVION.

The detection of antibody formation is highly dependent on the sensitivity and specificity of the assay. Additionally, the observed incidence of antibody (including neutralizing antibody) positivity in an assay may be influenced by several factors including assay methodology, sample handling, timing of sample collection, concomitant medications, and underlying disease. For these reasons, it may be misleading to compare the incidence of antibodies to IDELVION in the studies described above with the incidence of antibodies in other studies or to other products.
8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Risk Summary

There are no data with IDELVION in pregnant women to inform on drug-associated risk. Animal reproduction studies have not been conducted using IDELVION. It is not known whether IDELVION can cause fetal harm or affect reproduction capacity when administered to a pregnant woman. IDELVION should be given to a pregnant woman only if clearly needed. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2-4% and 15-20%, respectively.

8.2 Lactation

Risk Summary

There is no information regarding the excretion of IDELVION in human milk, the effect on the breastfed infant, or the effects on milk production. The developmental and health benefits of breastfeeding should be considered along with the mother’s clinical need for IDELVION and any potential adverse effects on the breastfed infant from IDELVION or from the underlying maternal condition.

8.4 Pediatric Use

In clinical studies that included 34 subjects <18 years old, the prophylactic administration with IDELVION every 7 days was successful in prevention of spontaneous bleeding episodes requiring treatment [see Clinical Studies (14)]. Of these, 7 subjects were ≥12 and <18 years old; 5 of these subjects switched to a 10- or 14-day prophylactic administration with IDELVION. There were no apparent differences in the safety profile in subjects <18 years as compared to adults [see Adverse Reactions (6.1)].

Compared to adults, incremental rIX-FP recovery appeared to be slightly lower and body weight-adjusted clearance appeared to be higher. Children may have higher Factor IX body weight-adjusted clearance, shorter half-life, and lower recovery. Higher dose per kilogram body weight or more frequent dosing may be needed in these patients [see Dosage and Administration (2.1) and Clinical Pharmacology (12.3)].

8.5 Geriatric Use

Clinical studies of IDELVION did not include subjects over 65 years to determine whether or not they respond differently from younger subjects.

11 DESCRIPTION

11.1 IDELVION, Coagulation Factor IX (Recombinant), Albumin Fusion Protein (rIX-FP) is a sterile, non-pyrogenic, lyophilized powder to be reconstituted with sterile Water for Injection (sWFI) for intravenous administration. IDELVION is available in single-use vials containing nominally 250, 500, 1000, 2000, or 3500 IU of Factor IX formulated with sodium citrate, polysorbate 80, mannitol and sucrose. The actual amount of Factor IX activity in IU is labeled on each vial. After reconstitution of the lyophilized powder, all dosage strengths yield a clear, yellow to colorless solution. IDELVION contains no preservatives.

The active ingredient in IDELVION, recombinant human coagulation Factor IX (rIX-FP) is a fusion protein, is a purified protein produced by recombinant DNA technology. It is generated by the genetic fusion of recombinant albumin to recombinant coagulation Factor IX. The genetic fusion of the C-terminal domain of human albumin to the C-terminal domain of human coagulation Factor IX enables the gene product to be expressed as a single recombinant protein designated as rIX-FP. The Factor IX portion of IDELVION is identical to the Thr148 allelic form of human Factor IX. rIX-FP remains intact as rIX-FP. The Factor IX portion of IDELVION is identical to the Thr148 allelic form of human plasma-derived Factor IX. The cleavable linker between the Factor IX and albumin moieties is derived from the endogenous activation peptide in native Factor IX. rIX-FP remains intact in the circulation until Factor IX is activated, whereupon albumin is cleaved from Factor IX, releasing activated Factor IX (rFxa) when it is needed for coagulation.

IDELVION is manufactured without the addition of proteins derived from human or animal source materials. IDELVION is a glycoprotein consisting of 1018 amino acids secreted by a genetically engineered Chinese hamster ovary (CHO) cell line. The CHO cell line secretes rIX-FP into a defined cell culture medium and the rIX-FP protein is purified by a process that does not require the use of a monoclonal antibody reagent. The manufacturing process incorporates three validated virus clearance steps, including viral inactivation by solvent/detergent treatment and virus removal by filtration.

The potency expressed in International Units is determined using an in vitro aPTT-based one-stage clotting assay against CSL Behring’s manufacturing reference standard. This internal potency standard has been calibrated against the World Health Organization (WHO) International Standard for Factor IX concentrate by a one-stage clotting assay using synthetic silica and synthetic phospholipid-based reagents.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

IDELVION is a recombinant protein that temporarily replaces the missing coagulation Factor IX needed for effective hemostasis. IDELVION is comprised of genetically fused recombinant coagulation Factor IX and recombinant albumin. Fusion with recombinant albumin extends the half-life of Factor IX [see Description (11) and Clinical Pharmacology (12.3)].

12.2 Pharmacodynamics

The administration of IDELVION increases plasma levels of Factor IX and can temporarily correct the coagulation defect in patients.

12.3 Pharmacokinetics

**Adults ≥18 years**

The pharmacokinetic (PK) profiles of IDELVION were evaluated following an intravenous injection of a single dose of 25, 50 or 75 IU/kg. The PK parameters were based on plasma Factor IX activity measured by the one-stage clotting assay. Blood samples for PK analysis were collected prior to dosing and up to 336 hours (14 days) after dosing.

Table 5 provides the pharmacokinetic parameters following a single 25 IU/kg, 50 IU/kg, or 75 IU/kg dose of IDELVION.

Table 5. Pharmacokinetic Parameters (Arithmetic Mean, CV%) Following a Single 25 IU/kg, 50 IU/kg, or 75 IU/kg Dose of IDELVION

<table>
<thead>
<tr>
<th>Parameter</th>
<th>25 IU/kg</th>
<th>50 IU/kg</th>
<th>75 IU/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cmax (mIU/mL)</td>
<td>73.2 (31)</td>
<td>95.0 (27)</td>
<td>110 (36)</td>
</tr>
<tr>
<td>t1/2 (hours)</td>
<td>107 (19)</td>
<td>104 (16)</td>
<td>102 (22)</td>
</tr>
<tr>
<td>MRT (hours)</td>
<td>127 (12)</td>
<td>124 (20)</td>
<td>121 (32)</td>
</tr>
<tr>
<td>CL (mL/h/kg)</td>
<td>0.53 (17)</td>
<td>0.70 (22)</td>
<td>0.82 (34)</td>
</tr>
<tr>
<td>Vss (mL/kg)</td>
<td>8.8 (30)</td>
<td>10.7 (24)</td>
<td>12.4 (32)</td>
</tr>
</tbody>
</table>

**Subjects <18 years**

Pharmacokinetics parameters of IDELVION were evaluated in 5 adolescents (12 to <18 years of age) and 27 children (0 to <12 years of age) in open-label, multi-center studies following a 50 IU/kg intravenous injection of IDELVION. The PK samples were collected prior to dosing and at multiple time points up to 336 hours (14 days) after dosing. Table 6 summarizes the PK parameters calculated from the pediatric data of 32 subjects, 0 to <18 years of age. The parameters estimated were based on the plasma Factor IX activity over time profile. Compared to adults, incremental recovery is lower (15% to 27%) and body weight-adjusted clearance is higher (45% to 62%) in children.

Table 6. Pharmacokinetic Parameters (Arithmetic Mean, CV%) of IDELVION Following a Single 50 IU/kg Dose

<table>
<thead>
<tr>
<th>Parameter</th>
<th>0 to &lt;6 years</th>
<th>6 to &lt;12 years</th>
<th>12 to &lt;18 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cmax (mIU/mL)</td>
<td>37.7 (24)</td>
<td>45.0 (29)</td>
<td>55.0 (30)</td>
</tr>
<tr>
<td>t1/2 (hours)</td>
<td>102 (18)</td>
<td>98 (15)</td>
<td>94 (22)</td>
</tr>
<tr>
<td>MRT (hours)</td>
<td>125 (13)</td>
<td>121 (16)</td>
<td>118 (25)</td>
</tr>
<tr>
<td>CL (mL/h/kg)</td>
<td>0.65 (18)</td>
<td>0.77 (21)</td>
<td>0.92 (34)</td>
</tr>
<tr>
<td>Vss (mL/kg)</td>
<td>7.7 (31)</td>
<td>9.0 (26)</td>
<td>11.0 (35)</td>
</tr>
</tbody>
</table>

**Nonclinical Studies**

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Nonclinical studies evaluating the carcinogenic potential of IDELVION have not been conducted. No macroscopic or microscopic pathologies in reproductive organs were observed in animals dosed every day for 28 days with 6.7 times the maximum recommended prophylactic clinical dose of 75 IU/kg IDELVION. No animal studies regarding impairment of fertility following IDELVION dosing were conducted.

14 CLINICAL STUDIES

The safety and efficacy of IDELVION were evaluated in a prospective, open-label, multicenter clinical study of 63 male PTPs with hemophilia B (A2: endogenous Factor IX activity) who received at least one infusion of IDELVION as part of on-demand treatment and control of bleeding episodes, perioperative management of major and minor surgical, dental, or other invasive procedures, routine prophylaxis once every 7-, 10-, or 14-day intervals, or pharmacokinetic evaluation. Subjects were aged 12 to 61 years; including 7 adolescent subjects aged 12 to 17. Subjects were treated for up to 27 months.
On-demand Treatment and Control of Bleeding Episodes

A total of 358 bleeding events were treated with IDELVION. Among them, 204 (57%) bleeding events were spontaneous, 140 (39%) events were traumatic and 14 (4%) events were unknown. In addition, a total of 267 (75%) episodes were joint bleeding events.

Overall treatment efficacy was assessed for each bleeding episode by the investigator based on a 4-point scale: excellent, good, moderate, or poor/no response. The efficacy of IDELVION for the on-demand treatment and control of bleeding episodes is summarized in Table 7.

Table 7. Efficacy* of IDELVION for the On-demand Treatment and Control of Bleeding Episodes

<table>
<thead>
<tr>
<th>Number of Injections to Treat Bleeding Episodes</th>
<th>Weekly Prophylaxis (n=21)*</th>
<th>14-day Prophylaxis (n=21)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 injection, n (%)</td>
<td>337 (94)</td>
<td>337 (94)</td>
</tr>
<tr>
<td>2 injections, n (%)</td>
<td>9 (2.5)</td>
<td>9 (2.5)</td>
</tr>
<tr>
<td>&gt;2 injections, n (%)</td>
<td>1 (0.3)</td>
<td>1 (0.3)</td>
</tr>
</tbody>
</table>

*Excellent: Pain relief and/or unequivocal improvement in objective signs of bleeding and no additional infusion required in order to achieve hemostasis; Good: Definite pain relief and/or improvement in signs of bleeding at approximately 8 hours after the first infusion, but may require a second infusion; Moderate: Prolonged or slight beneficial effect and requires more than two infusions to achieve hemostasis; Poor/no response: No improvement at all or condition worsens, additional hemostatic intervention is required. Responses evaluated at approximately 24 hours after treatment.

Prophylaxis Regimen for Subjects in the Clinical Trial

On-demand treatment and weekly prophylaxis resulted in an 89% reduction in the annualized bleeding rate. During on-demand treatment, IDELVION resulted in an 89% reduction in the annualized bleeding rate. Based on a matched pairs design, prophylaxis treatment with IDELVION resulted in a 96% reduction in the annualized spontaneous bleeding rate. In addition, the median AsBRs for the subjects treated with weekly and 14-day prophylaxis were zero (range: 0 to 4.5) and zero (range: 0 to 7.3), respectively (summarized in Table 9). In addition, the median AsBRs for the 7 subjects treated with weekly and 10-day prophylaxis were zero (range: 0 to 0) and zero (range: 0 to 0.9), respectively.

Table 9. Comparison of Annualized Spontaneous Bleeding Rate (AsBR) by Prophylaxis Regimen for Subjects in the Clinical Trial

<table>
<thead>
<tr>
<th>Bleeding Episode Etiology</th>
<th>Weekly Prophylaxis (n=21)*</th>
<th>14-day Prophylaxis (n=21)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spontaneous</td>
<td>0.28 (1.01)</td>
<td>1.07 (2.1)</td>
</tr>
<tr>
<td>Median</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>IQR</td>
<td>0.0</td>
<td>0.1</td>
</tr>
<tr>
<td>Range</td>
<td>0.4, 4.5</td>
<td>0, 7.3</td>
</tr>
</tbody>
</table>

Perioperative Management of Bleeding

In three clinical studies, 13 subjects received IDELVION for perioperative management of 15 surgical procedures. Dose was individualized based on subject's PK and clinical response to treatment. The 15 surgical procedures included a double mastectomy, four knee replacements, a herniorrhaphy, a rhinoplasty, an ankle arthroplasty, an endoscopic mucosal resection, four complicated dental surgeries and one uncomplicated dental surgery. Two of the four dental surgeries were performed in children <12 years of age.

The efficacy analysis of IDELVION in perioperative management included 12 surgeries in 10 patients between 12 and 61 years of age and 3 surgical procedures in 3 children <12 years of age undergoing a major or minor surgical procedure, including dental surgeries. Hemostasis was assessed by the investigator/surgeon at wound closure (intraoperative assessment), hospital discharge and at the end of the surgical study using a 4-point scale: excellent, good, fair or none. Of the 15 surgeries included in the intraoperative assessment of hemostatic response, 12 surgeries were assessed as excellent (n=11) or good (n=1), and three minor surgeries were not rated. At hospital discharge or at the end of the surgical study, 14 surgical procedures had a rating of excellent (n=13) or good (n=1), and one surgery was not rated.

Routine Prophylaxis

Of the 63 subjects treated with IDELVION, twenty-three PTPs received IDELVION only for the treatment of bisphosphonate-induced osteonecrosis. Nineteen of these PTPs switched to once weekly prophylaxis with additional median duration of 10 months. Based on the analysis of the 19 subjects treated with IDELVION for on-demand therapy and weekly prophylaxis, the median annualized spontaneous bleeding rate (AsBR) during prophylaxis treatment was zero (range: 0 to 4.2), as compared to 15.4 (range: 2 to 39.5) during on-demand treatment. Based on the Poisson model, prophylaxis treatment with IDELVION resulted in a 96% reduction in the annualized spontaneous bleeding rate.

Table 8. Comparison of Annualized Bleeding Rates for Subjects Treated for On-demand Therapy and Weekly Prophylaxis

<table>
<thead>
<tr>
<th>Bleeding Episode Etiology</th>
<th>On-demand (n=19)*</th>
<th>Weekly Prophylaxis (n=19)*</th>
<th>Percent Reduction with Prophylaxis (n=19)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spontaneous</td>
<td>14.6 (8.42)</td>
<td>0.7 (1.17)</td>
<td>96.0 (5.54)</td>
</tr>
<tr>
<td>Median</td>
<td>15.4</td>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>IQR</td>
<td>8.0, 18.0</td>
<td>0.1</td>
<td>90.5, 100</td>
</tr>
<tr>
<td>Range</td>
<td>2.0, 39.5</td>
<td>0.4</td>
<td>82.8, 100</td>
</tr>
<tr>
<td>Total</td>
<td>20.8 (9.19)</td>
<td>2.9 (4.81)</td>
<td>88.8 (17.76)</td>
</tr>
<tr>
<td>Median</td>
<td>19.2</td>
<td>1.6</td>
<td>90.9</td>
</tr>
<tr>
<td>IQR</td>
<td>16.7, 25.8</td>
<td>0.4</td>
<td>81.2, 100</td>
</tr>
<tr>
<td>Range</td>
<td>2.0, 46.1</td>
<td>2.1</td>
<td>54.3, 100</td>
</tr>
</tbody>
</table>

*Based on matched pairs design

15 REFERENCES


16 HOW SUPPLIED/STORAGE AND HANDLING

How Supplied

IDELVION is supplied as a lyophilized powder in single-use vials containing the labeled amount of Factor IX activity, expressed in international units (IU).

IDELVION is packaged with 2.5 mL (for reconstitution of 250, 500 or 1000 IU vials) or 5 mL (for reconstitution of 2000 or 3500 IU vials) of Sterile Water for Injection, USP, one Mix2Vial filter transfer set, and one sterile alcohol swab. Components are not made with natural rubber latex.

Storage and Handling

• Store IDELVION in its package to protect from light.

• Store the IDELVION package in the refrigerator or at room temperature 2-25°C (36 to 77°F). Do not freeze.

• Do not use IDELVION or the Sterilized Water for Injection diluted beyond the expiration date printed on the carton and vial labels.

17 PATIENT COUNSELING INFORMATION

• Advise patients to read the FDA-approved patient labeling (Patient Information and Instructions for Use).

• Advise patients to report any adverse reactions or problems following IDELVION administration to their healthcare provider.

• Instruct patients of the early signs and symptoms of hypersensitivity or allergic reactions (including hives, generalized urticaria, chest tightness, wheezing, and hypotension). Instruct patients to discontinue use of IDELVION and contact their healthcare provider and/or seek immediate emergency care if these symptoms occur (see Warnings and Precautions (5.1)).

• Advise patients to contact their healthcare provider or hemophilia treatment center for further treatment and/or assessment if they experience a lack of clinical response to Factor IX replacement therapy, as in some cases this may be a manifestation of an inhibitor (see Warnings and Precautions (5.2)).

Manufactured by:
CSL Behring GmbH
53041 Marburg, Germany
for:
CSL Behring Recombinant Facility AG
Bern 22, Switzerland 3000
US License No. 2009
Distributed by:
CSL Behring LLC
Kankakee, IL 60901 USA

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Mix2Vial® is a registered trademark of West Pharma. Services IL, Ltd., a subsidiary of West Pharmaceutical Services, Inc.
What is IDELVION?
IDELVION, Coagulation Factor IX (Recombinant), Albumin Fusion Protein is an injectable medicine used to replace clotting factor (Factor IX) that is missing in people with hemophilia B (also called congenital Factor IX deficiency or Christmas disease). Hemophilia B is an inherited bleeding disorder that prevents blood from clotting normally. IDELVION is used in children and adults with hemophilia B to control and prevent bleeding episodes. Your healthcare provider may give you IDELVION when you have surgery. IDELVION can reduce the number of bleeding episodes when used regularly (prophylaxis).

Who should not use IDELVION?
You should not use IDELVION if you:
• have had life-threatening hypersensitivity reactions to IDELVION
• are allergic to hamster proteins
• are allergic to any ingredients in IDELVION

Tell your healthcare provider if you have had an allergic reaction to any Factor IX product prior to using IDELVION.

Tell your healthcare provider if you are pregnant or breast-feeding because IDELVION may not be right for you.

What should I tell my healthcare provider before using IDELVION?
You should tell your healthcare provider if you:
• have or had any medical problems
• take any medicines, including prescription and non-prescription medicines, such as over-the-counter medicines, supplements, or herbal remedies
• have any allergies, including allergies to hamster proteins
• are breastfeeding. It is not known if IDELVION passes into your milk and if it can harm your baby.
• are pregnant or planning to become pregnant. It is not known if IDELVION may harm your unborn baby.
• have been told that you have inhibitors to Factor IX (because IDELVION may not work for you).

How should I administer IDELVION?
• IDELVION is given directly into the bloodstream.
• IDELVION should be administered as ordered by your healthcare provider.
• You should be trained on how to do injections by your healthcare provider or hemophilia treatment center. Many people with hemophilia B learn to inject IDELVION by themselves or with the help of a family member. See the step-by-step guide (Instructions for Use) provided at the end of this leaflet for directions on mixing and infusing IDELVION.
• Your healthcare provider will tell you how much IDELVION to use based on your weight, the severity of your hemophilia B, and where you are bleeding.
• You may need to have blood tests done after getting IDELVION to be sure that your blood level of Factor IX is high enough to clot your blood.
• Call your healthcare provider right away if your bleeding does not stop after taking IDELVION.

What are the possible side effects of IDELVION?
Allergic reactions may occur with IDELVION. Call your healthcare provider right away and stop treatment if you get a rash or hives, itching, tightness of the chest or throat, difficulty breathing, light-headedness, dizziness, nausea, or decrease in blood pressure.

Your body can make antibodies, called inhibitors, against Factor IX, which may stop IDELVION from working properly. Your healthcare provider may need to test your blood for inhibitors from time to time. IDELVION may increase the risk of forming abnormal blood clots in your body, especially if you have risk factors for developing blood clots. Call your healthcare provider if you have chest pain, difficulty breathing, leg tenderness or swelling.

A common side effect of IDELVION is headache.
This is not the only side effect possible with IDELVION. To learn more, talk to your healthcare provider or pharmacist. Tell your healthcare provider about any side effect that bothers you or does not go away.

What are the IDELVION dosage strengths?
IDELVION comes in five different dosage strengths: 250, 500, 1000, 2000, or 3500 IU. The actual strength of IDELVION is printed on the carton and vial label. The labeling of the five dosage strengths are color-coded as follows:

<table>
<thead>
<tr>
<th>Fill Size</th>
<th>Nominal Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orange</td>
<td>250 IU</td>
</tr>
<tr>
<td>Blue</td>
<td>500 IU</td>
</tr>
<tr>
<td>Green</td>
<td>1000 IU</td>
</tr>
<tr>
<td>Purple</td>
<td>2000 IU</td>
</tr>
<tr>
<td>Yellow</td>
<td>3500 IU</td>
</tr>
</tbody>
</table>

Always check the actual dosage strength printed on the label to make sure you are using the strength prescribed by your healthcare provider.

How should I store IDELVION?
• Store vial in original carton to protect from light.
• Store at 2-25°C (36-77°F). Do not freeze.
• Do not use IDELVION after the expiration date printed on the label.
• The reconstituted product (after mixing dry product with diluent) must be used within 4 hours and cannot be stored or refrigerated. Discard any IDELVION left in the vial at the end of your infusion.

What else should I know about IDELVION?
• Do not use IDELVION for a condition for which it is not prescribed.
• Do not share IDELVION with other people, even if they have the same symptoms that you have.

Instructions for Use
For intravenous use after reconstitution only.
Do not attempt to do an intravenous injection unless you have been taught how by your healthcare provider or hemophilia center. Always follow the specific instructions given by your healthcare provider. The steps listed below are general guidelines for using IDELVION. If you are unsure of the instructions, call your healthcare provider before using IDELVION. Call your healthcare provider right away if bleeding is not controlled after using IDELVION. Your healthcare provider will prescribe the dose that you should take. You may need to have blood tests from time to time. Talk to your healthcare provider before traveling. Dispose of all unused solution, empty vial(s), and other used medical supplies in an appropriate medical waste container.
• Always work on a clean, flat surface and wash your hands before performing the mixing (reconstitution) procedures.
• Mix (reconstitute) IDELVION using the diluent (Sterile Water for Injection) and transfer device (Mix2Vial) provided in the kit.
• To give an injection, you will also need a syringe and suitable needle (not provided).
• If a package is opened or damaged, do not use and contact your healthcare provider.
• Do not use IDELVION beyond the expiration date on the vial label and carton.
• Look at the mixed (reconstituted) solution. Do not use IDELVION if the reconstituted solution is cloudy, contains any particles, or is discolored.
• IDELVION is for single use only. Contains no preservatives. Discard partially used vials.
• Ensure the vials of IDELVION and the Sterile Water for Injection are at room temperature before mixing.
• Follow the reconstitution instructions as described in Table 1.
Table 1. IDELVION Reconstitution Instructions

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Place the IDELVION vial, diluent vial, and Mix2Vial® transfer set on a flat surface.</td>
</tr>
<tr>
<td>2</td>
<td>Remove flip caps from the IDELVION and Sterile Water for Injection (diluent) vials.</td>
</tr>
<tr>
<td>3</td>
<td>Wipe the stoppers with the sterile alcohol swab provided and allow to dry prior to opening the Mix2Vial transfer set package.</td>
</tr>
<tr>
<td>4</td>
<td>Open the Mix2Vial transfer set package by peeling away the lid (Fig. 1). Do not remove the device from the package.</td>
</tr>
<tr>
<td>5</td>
<td>Place the diluent vial on a flat surface and hold the vial tightly. Grip the Mix2Vial transfer set together with the clear package and push the plastic spike at the blue end of the Mix2Vial transfer set firmly through the center of the stopper of the diluent vial (Fig. 2).</td>
</tr>
<tr>
<td>6</td>
<td>Carefully remove the clear package from the Mix2Vial transfer set. Do not remove the Mix2Vial transfer set or touch the exposed end of the device (Fig. 3).</td>
</tr>
<tr>
<td>7</td>
<td>With the IDELVION vial placed firmly on a flat surface, invert the diluent vial with the Mix2Vial transfer set attached and push the plastic spike of the transparent adapter firmly through the center of the stopper of the IDELVION vial (Fig. 4). The diluent will automatically transfer into the IDELVION vial.</td>
</tr>
<tr>
<td>8</td>
<td>With the diluent and IDELVION vial still attached to the Mix2Vial transfer set, gently swirl the IDELVION vial to ensure that the powder is fully dissolved (Fig. 5). Do not shake the vial.</td>
</tr>
<tr>
<td>9</td>
<td>With one hand, grasp the IDELVION side of the Mix2Vial transfer set and with the other hand grasp the blue diluent-side of the Mix2Vial transfer set, and unscrew the set into two pieces (Fig. 6).</td>
</tr>
<tr>
<td>10</td>
<td>Draw air into an empty, sterile syringe. While the IDELVION vial is upright, screw the syringe to the Mix2Vial transfer set. Inject air into the IDELVION vial.</td>
</tr>
<tr>
<td>11</td>
<td>While keeping the syringe plunger pressed, invert the system upside down and draw the concentrate into the syringe by pulling the plunger back slowly (Fig. 7).</td>
</tr>
<tr>
<td>12</td>
<td>Disconnect the filled syringe by unscrewing it from the Mix2Vial transfer set (Fig. 8). The reconstituted solution should be a clear or yellow to colorless solution. Do not use if particulate matter or discoloration is observed.</td>
</tr>
<tr>
<td>13</td>
<td>Use immediately or within 4 hours of reconstitution. Keep solution at room temperature. Do not refrigerate after reconstitution.</td>
</tr>
<tr>
<td>14</td>
<td>If the dose requires more than one vial, use a separate, unused Mix2Vial transfer set and Sterile Water for Injection (diluent) vial for each product vial. Repeat steps 10-12 to pool the contents of the vials into one syringe.</td>
</tr>
<tr>
<td>15</td>
<td>Record treatment — Remove the peel-off portion of the label from each vial used and affix it to the patient’s treatment diary/log book.</td>
</tr>
</tbody>
</table>

**Administration (intravenous injection)**
- Do not mix IDELVION in the same tubing or container with other medicinal products.
- Attach the syringe containing the reconstituted IDELVION solution to a sterile infusion set and give an injection as directed by your healthcare provider or hemophilia treatment center.
- Administer intravenously. Do not exceed infusion rate 10 mL per minute.

**Resources at CSL Behring available to the patient:**
For Adverse Reaction Reporting contact:
CSL Behring Pharmacovigilance Department at 1-866-915-6958
Contact CSL Behring to receive more product information:
Reimbursement Services 1-800-676-4266
For more information, visit www.IDELVION.com

Manufactured by:
CSL Behring GmbH
35041 Marburg, Germany
for:
CSL Behring Recombinant Facility AG
Bern 22, Switzerland 3000
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CSL Behring LLC
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