



# Made for us



- » Indicated for Plaque Psoriasis, Paediatric Plaque Psoriasis, Psoriatic Arthritis, Crohn's Disease<sup>1</sup>
- » The NEW ustekinumab biosimilar from Clonmel Healthcare<sup>1</sup>
- » Uzpruvo is the first approved ustekinumab biosimilar in Ireland



Cost-effective option enabling improved access to ustekinumab treatment



Equivalent efficacy, safety and immunogenicity to the reference product<sup>\*2</sup>



Patient-friendly PFS: easy handling, thinner needle<sup>†</sup>, latex-free<sup>††1,3</sup>

Uzpruvo<sup>®</sup> is currently not approved for the ulcerative colitis indication (since the originator still has exclusivity for this indication).



▼This medicinal product is subject to additional monitoring.

\*Stelara<sup>®</sup>; † 29 vs 27-gauge needle of the reference product, Stelara<sup>®1,3</sup>

**UZPRUVO<sup>®</sup>**  
ustekinumab

# SWITCHING FROM REFERENCE TO BIOSIMILAR<sup>1</sup>



A biosimilar is a biological medicine **highly similar** to another already approved biological medicine (the 'reference product'). **Interchangeability** in this context means that the reference medicine can be replaced by a biosimilar **that is expected to have the same clinical effect**



The EMA and the HMA have issued a joint statement confirming that **biosimilar medicines approved in the EU are interchangeable with their reference medicines**



**The EMA has approved 81 biosimilar medicines since 2006.** These medicines have been thoroughly reviewed and monitored over the past 15 years and the experience from clinical practice has shown that in terms of efficacy, safety and immunogenicity they are comparable to their reference products and are therefore interchangeable<sup>\*2,3</sup>

**Emer Cooke, EMA's Executive Director**



EMA, European Medicines Agency; HMA, Heads of Medicines Agency

\*As of January 2024 81 biosimilars have been approved<sup>3</sup>

1. European Medicines Agency. Statement on the scientific rationale supporting interchangeability of biosimilar medicines in the EU. Available at: [https://www.ema.europa.eu/en/documents/public-statement/statement-scientific-rationale-supporting-interchangeability-biosimilar-medicines-eu\\_en.pdf](https://www.ema.europa.eu/en/documents/public-statement/statement-scientific-rationale-supporting-interchangeability-biosimilar-medicines-eu_en.pdf). Last accessed Jan. 2024; 2. European Medicines Agency. Biosimilar medicines can be interchanged. Available at: <https://www.ema.europa.eu/en/news/biosimilar-medicines-can-be-interchanged>. Last accessed Jan. 2024; 3. Übersicht über zentralisiert in der EU zugelassene Biosimilars. Available at: <https://www.vfa.de/de/anzneimittel-forschung/datenbanken-zu-anzneimitteln/biosimilars-uebersicht>. Last accessed Jan. 2024.

# INTRODUCING UZPRUVO<sup>®</sup>: THE NEW USTEKINUMAB BIOSIMILAR TO BE LAUNCHED IN IRELAND

Uzpruvo<sup>®</sup> is the first approved ustekinumab biosimilar in Ireland and offers a high quality, affordable alternative to the reference product\*<sup>1</sup>



An ustekinumab biosimilar with **similar efficacy, quality and safety profile** to the reference product\*<sup>1</sup>



**Unique** mode of action of ustekinumab as an **IL-12/23 inhibitor**<sup>2</sup>



Made available by Clonmel Healthcare with a **European supply chain**\*\*<sup>2</sup>

IL, interleukin

\*Stelara<sup>®</sup> (ustekinumab); \*\*Supply chain is constantly being optimised and manufacturing location is subject to change

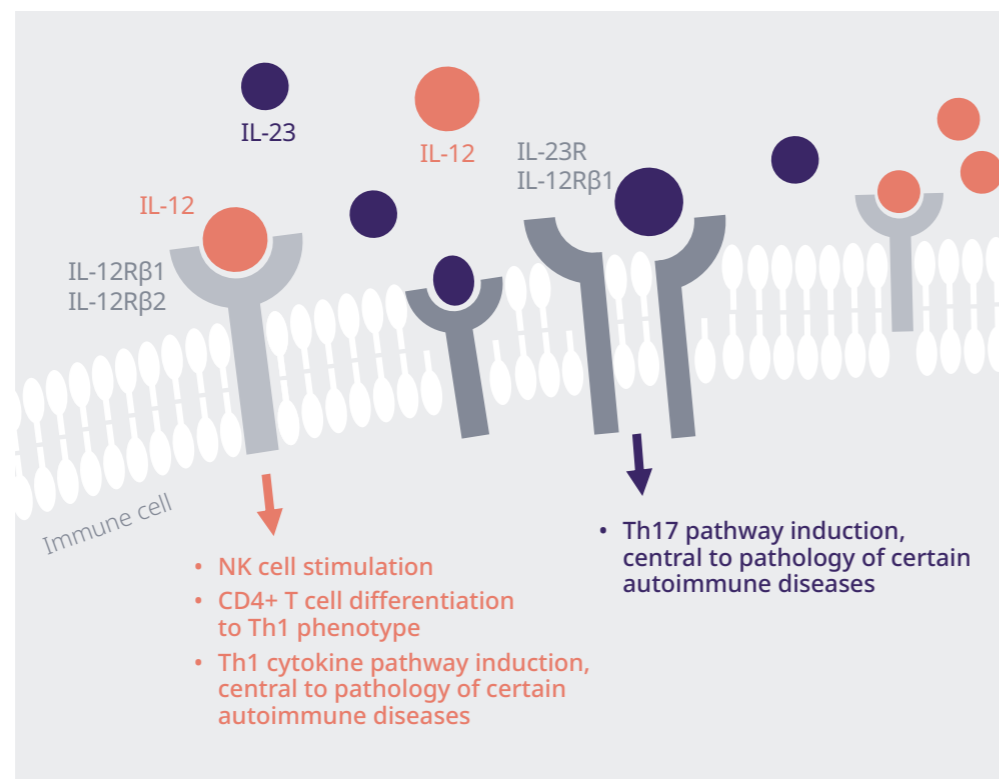
1. Uzpruvo<sup>®</sup> EPAR public assessment report (Feb. 2024); 2. Uzpruvo<sup>®</sup> SmPC (Feb. 2024).



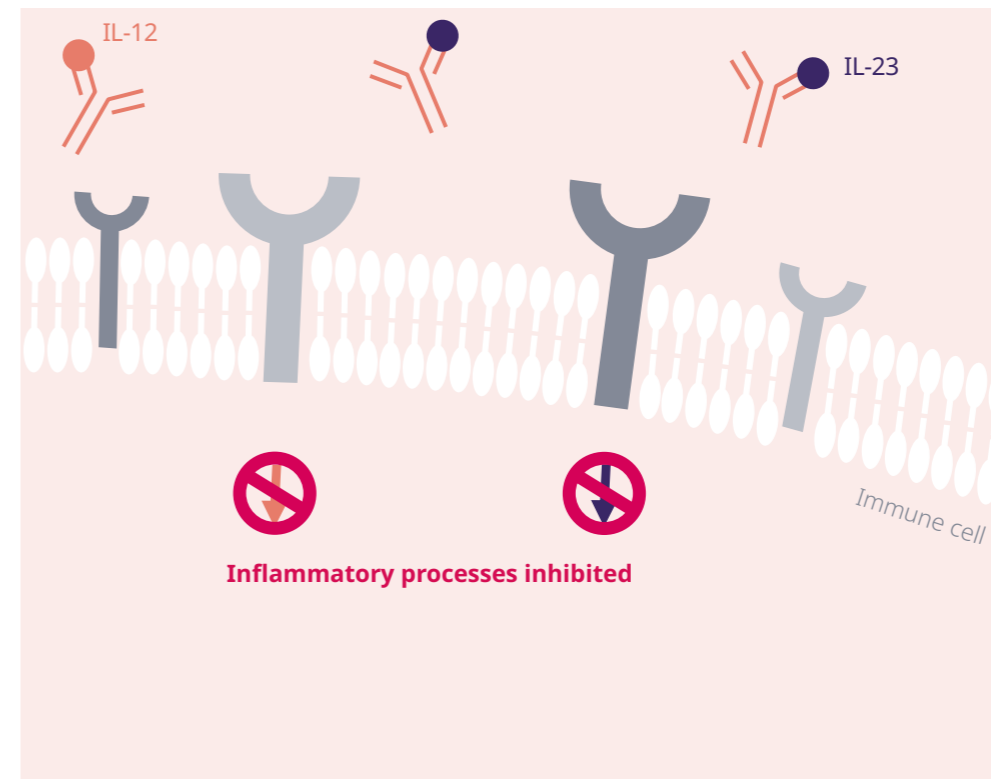


# UNIQUE MODE OF ACTION OF USTEKINUMAB: IL12/IL23-RECEPTOR BINDING INHIBITION

Autoimmune disease **without** Uzpruvo®



Autoimmune disease **with** Uzpruvo®



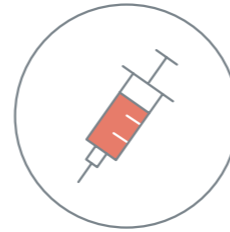
Ustekinumab is a fully human IgG1<sub>κ</sub> monoclonal antibody that binds with specificity to the shared p40 protein subunit of pro-inflammatory cytokines **IL-12 and IL-23** to prevent them from binding to their receptors, expressed on the surface of immune cells, therefore inhibiting inflammatory processes early<sup>1</sup>

CD, cluster of differentiation; Ig, immunoglobulin; IL, interleukin; NK, natural killer; Th, T helper  
1. Uzpruvo® SmPC (Feb. 2024).

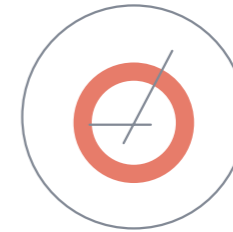
# UZPRUVO® FOR YOUR GASTROENTEROLOGY PATIENTS



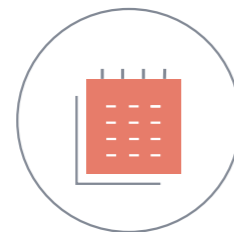
Indications



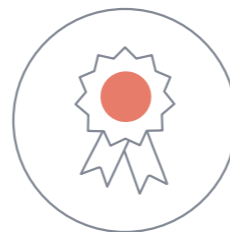
Different dose strength options<sup>1</sup>



Convenient dosing scheme<sup>1</sup>



Gastroenterology treatment regime



Ustekinumab in guidelines



Efficacy of ustekinumab in gastroenterology

1. Uzpruvo® SmPC (Feb. 2024).

# INDICATION IN GASTROENTEROLOGY<sup>1</sup>



Within gastroenterology, Uzpruvo<sup>®</sup> is approved to treat:<sup>1</sup>



## CROHN'S DISEASE

Uzpruvo<sup>®</sup> is currently not approved for the ulcerative colitis indication (since the originator still has exclusivity for this indication)

1. Uzpruvo<sup>®</sup> SmPC (Feb. 2024).



# UZPRUVO® IN GASTROENTEROLOGY: **DOSE STRENGTH OPTIONS**<sup>1</sup>

Subcutaneous dose strengths for maintenance treatment

**Maintenance: SC injection\***



Presentation: Pre-filled syringe

**Dose**

45 mg/  
0.5 mL

90 mg/  
mL


IV, intravenous; SC, subcutaneous

\*The approved ustekinumab treatment regimen for patients with Crohn's disease is initiation with a single intravenous dose based on body weight. Uzpruvo® is available in pre-filled syringes for subcutaneous use. After the first intravenous infusion induction dose with an alternative ustekinumab product, patients can receive subcutaneous maintenance doses with Uzpruvo®.<sup>1</sup>

1. Uzpruvo® SmPC (Feb. 2024).

# DOSING SCHEME<sup>1</sup>



	Indication	Induction dose (with alternative ustekinumab product)*	Maintenance dose (with Uzpruvo®)	Maintenance dose frequency	Dose escalation
	<b>Crohn's disease</b>	<b>IV infusion</b>	<b>SC injection via PFS</b>		
		See footnote	90 mg	8 weeks after induction dose, then Q12W	Inadequate response 8 weeks after first SC dose: <b>Administer second SC dose</b>  Response loss during Q12W dosing: <b>Increase dosing to Q8W</b>

PFS, pre-filled syringe; Q8W, every 8 weeks; Q12W, every 12 weeks; SC, subcutaneous

\*The approved ustekinumab treatment regimen for patients with Crohn's disease is initiation with a single intravenous dose based on body weight. Uzpruvo® is available in pre-filled syringes for subcutaneous use. After the first intravenous infusion induction dose with an alternative ustekinumab product, patients can receive subcutaneous maintenance doses with Uzpruvo®.<sup>1</sup>

1. Uzpruvo® SmPC (Feb. 2024).



# ECCO GUIDELINES RECOMMEND USTEKINUMAB\*1

## FOR CROHN'S DISEASE



### Crohn's disease



Ustekinumab is recommended after lack of response to conventional therapy and/or TNF inhibitors, for induction and maintenance of remission

**Moderate-to-severe CD: induction of remission**

> **Ustekinumab**

**Moderate-to-severe CD: maintenance of remission**

> **Same biologic used to induce remission (ustekinumab)**

CD, Crohn's disease; ECCO, European Crohn's and Colitis Organisation; TNF, tumour necrosis factor

\*These abbreviated guidelines provide an overview of strong recommendations but do not contain details presented in full recommendations

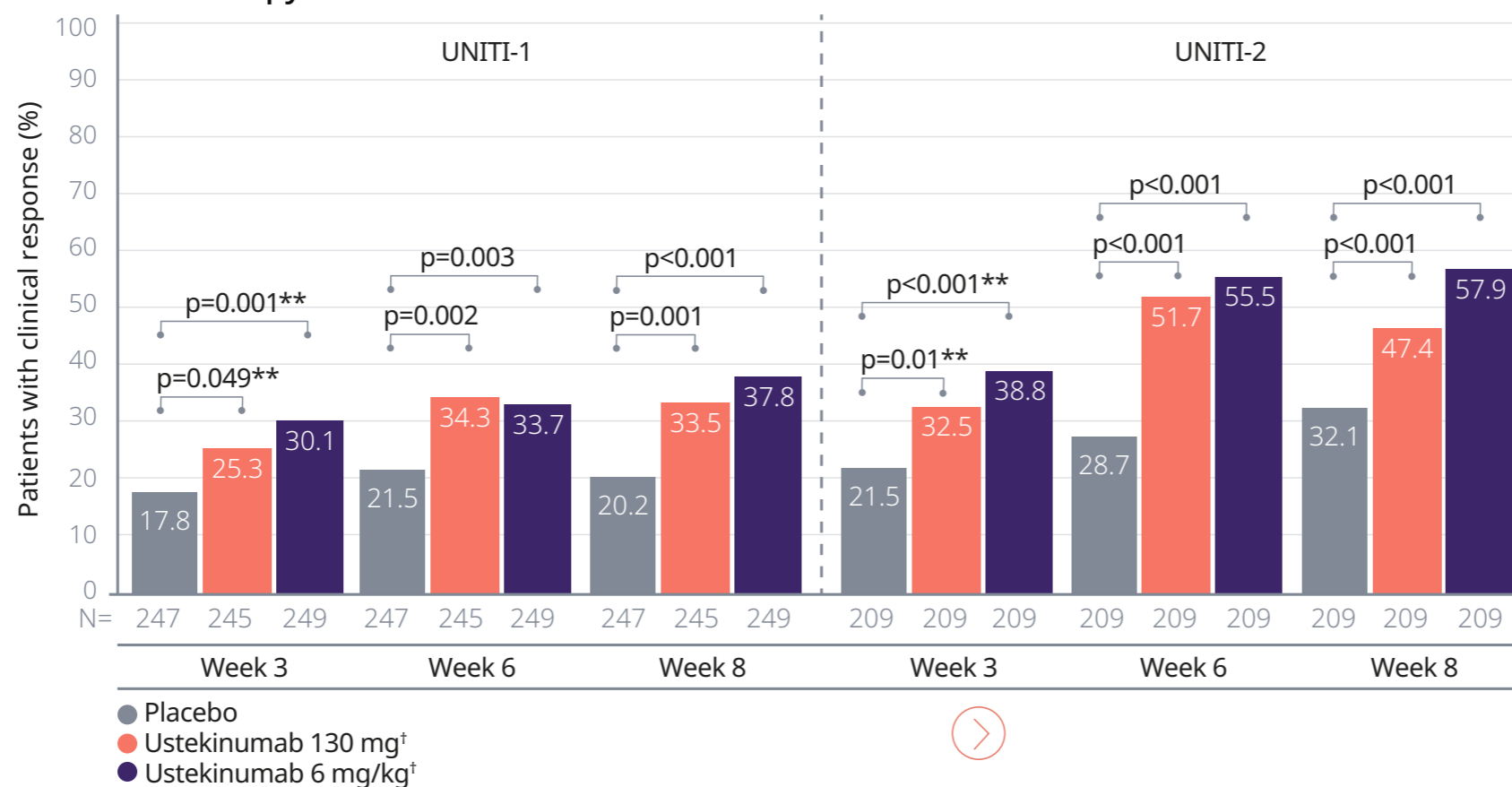
1. Torres J et al. J Crohns Colitis. 2020;14(1):4-22.



# EFFICACY OF USTEKINUMAB VS PLACEBO: SIGNIFICANTLY HIGHER CLINICAL RESPONSE IN CROHN'S DISEASE PATIENTS\*<sup>1</sup>

Significantly **higher clinical response** rate up to **Week 8** in either ustekinumab treatment group vs placebo

Induction therapy: UNITI-1/2<sup>1</sup>



Adapted from Feagan BG et al. 2016<sup>1</sup>

\*Shown in a study with the reference product, Stelara<sup>®</sup>; \*\*p<0.05 is only nominally significant, since the endpoint is not among the type I error-controlled endpoints;  
<sup>†</sup>The approved induction dose is approximately 6 mg/kg, calculated based on the patient's body weight<sup>2</sup>

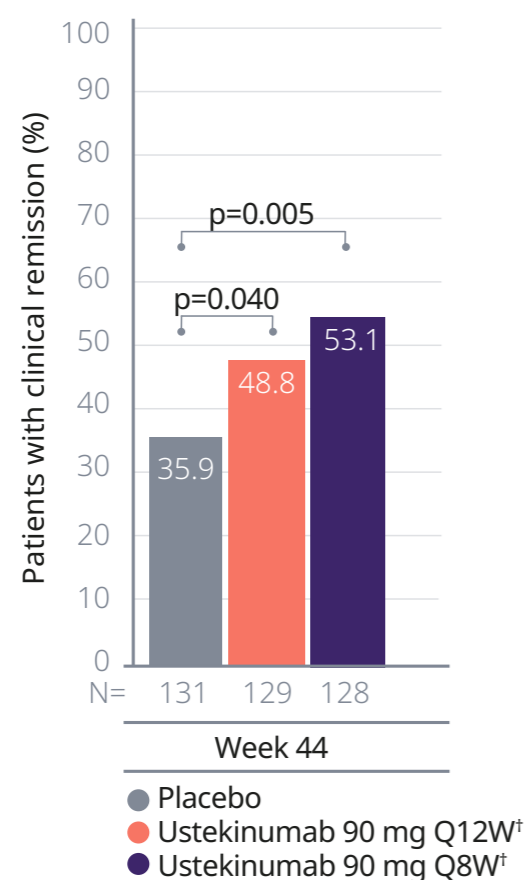
1. Feagan BG et al. N Engl J Med. 2016;375(20):1946-60; 2. Stelara<sup>®</sup> SmPC (Dec. 2023).



# EFFICACY OF USTEKINUMAB VS PLACEBO: SIGNIFICANTLY HIGHER CLINICAL REMISSION IN CROHN'S DISEASE PATIENTS\*<sup>1</sup>

Significantly **higher clinical remission** rates at **Week 44\*\*** in either ustekinumab treatment group vs placebo

Maintenance therapy: IM-UNITI<sup>1</sup>



Adapted from Feagan BG et al. 2016<sup>1</sup>

Q8W, every 8 weeks; Q12W, every 12 weeks

\*Shown in a study with the reference product, Stelara<sup>®</sup>; \*\*Shows rates at Week 44 of the maintenance trial (after a total of 52 weeks of treatment); <sup>†</sup>The recommended maintenance dose is 90 mg Q12W. If patients lose response, dosing frequency can be increased to Q8W<sup>2</sup>

1. Feagan BG et al. N Engl J Med. 2016;375(20):1946-60; 2. Stelara<sup>®</sup> SmPC (Dec. 2023).

# USTEKINUMAB HEAD-TO-HEAD STUDY: HIGH CLINICAL REMISSION RATES IN BIOLOGIC-NAÏVE CROHN'S DISEASE PATIENTS\*



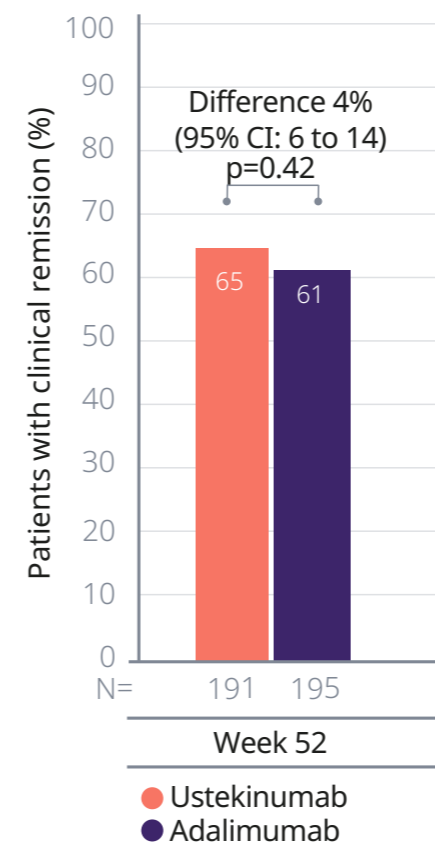
**Both ustekinumab and adalimumab monotherapy** resulted in high rates of clinical remission at Week 52

## Subjects:

Biologic naïve patients with moderate-to-severe active Crohn's disease (N=386) were enrolled and randomly assigned to receive ustekinumab (N=191) or adalimumab (N=195)

## Primary endpoint:

Percentage of patients with clinical remission at Week 52



Adapted from Sands BE et al. 2022<sup>1</sup>

CI, confidence interval

\*Shown in a study with the reference product, Stelara®

1. Sands BE et al. Lancet. 2022;399(10342):2200-11.



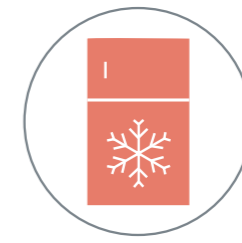
# AT A GLANCE: UZPRUVO<sup>®</sup> FEATURES



Dose strengths options<sup>1</sup>



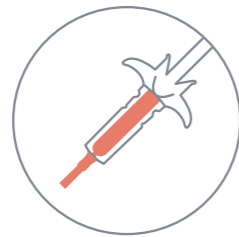
Easy-to-handle,  
patient-friendly syringe



Convenient  
storage options<sup>1</sup>

1. Uzpruvo<sup>®</sup> SmPC (Feb. 2024).

# DOSE STRENGTHS OPTIONS<sup>1</sup>



45 mg/0.5 mL  
Pack of 1



90 mg/mL  
Pack of 1

1. Uzpruvo® SmPC (Feb. 2024).



# PRE-FILLED SYRINGE: DESIGNED WITH PATIENTS' COMFORT IN MIND

The Uzpruvo<sup>®</sup> pre-filled syringe has been designed specifically for easy handling and a patient-friendly injection experience, allowing for a seamless transition

**Extended finger flange**

**Needlestick injury prevention:**  
needle springs back into the protective cover after injection<sup>1</sup>



**Latex free\***: patients with latex allergies can use Uzpruvo<sup>®</sup> with confidence<sup>1</sup>

**Thinner needle\*\* (29-gauge)**  
for reduced pain on injection<sup>1-3</sup>

45 mg/0.5 mL  
and  
90 mg/mL

\*Plunger stopper made of bromobutyl rubber<sup>1</sup>; \*\*Vs the administration device of the reference product, Stelara<sup>®</sup>, which has a wider 27-gauge needle<sup>2</sup>

1. Uzpruvo<sup>®</sup> SmPC (Feb. 2024); 2. Stelara<sup>®</sup> PI (Aug. 2022); 3. Jaber A et al. BMC Neurol. 2008;8:38.

# SIMPLE STORAGE AND SHELF-LIFE



Uzpruvo<sup>®</sup> storage requirements are simple<sup>1</sup>



45 mg or 90 mg pre-filled syringe

Refrigeration storage (2–8°C) Shelf-life	2 years
Room temperature (max. 30°C) Shelf-life	30 days



Uzpruvo<sup>®</sup> should be stored in a refrigerator at 2–8°C and must not be frozen



Uzpruvo<sup>®</sup> should be stored in its outer carton before use to protect it from light



When needed, Uzpruvo<sup>®</sup> pre-filled syringes can be stored at room temperature (max. 30°C) for up to 30 days, by which point they must be used or discarded

max, maximum

1. Uzpruvo<sup>®</sup> SmPC (Feb. 2024).



# UZPRUVO® VS THE REFERENCE PRODUCT\*: CLONMEL HEALTHCARE'S PROVEN USTEKINUMAB BIOSIMILAR<sup>1</sup>



Similar PK profile<sup>2</sup>



Similar efficacy<sup>\*\*3</sup>



Similar safety  
profile<sup>\*\*3</sup>



Similar  
immunogenicity  
profile<sup>\*\*3</sup>

Phase III trial design



\*Stelara®; \*\*Demonstrated in a Phase III clinical study of patients with moderate-to-severe chronic plaque psoriasis<sup>3</sup>

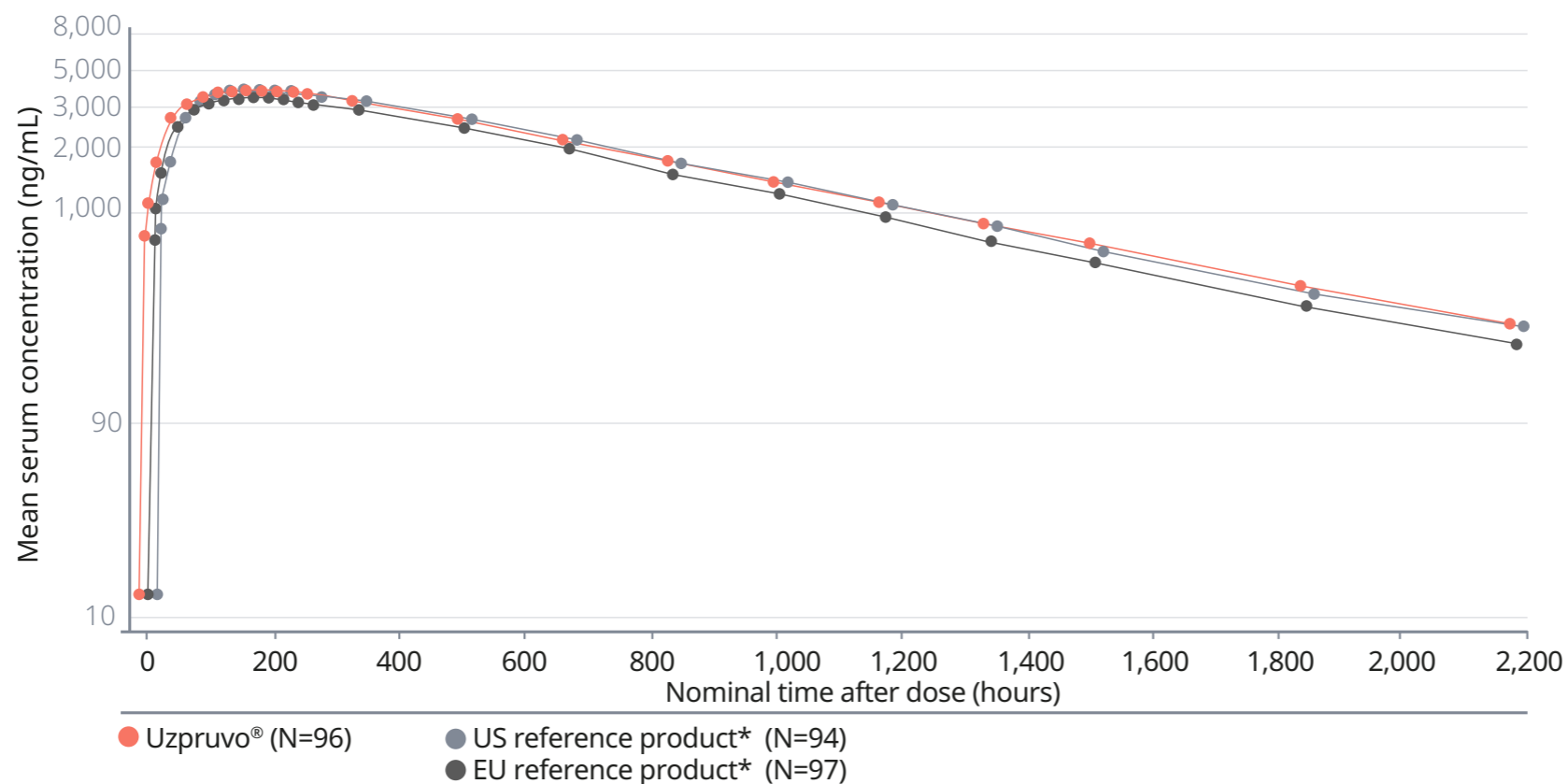
1. Uzpruvo® EPAR public assessment report (Feb. 2024); 2. Wynne C et al. Expert Opin Investig Drugs. 2023;32(5):417-27; 3. Feldman SR et al. Expert Opin Biol Ther. 2023;23(3):253-60. DOI: 10.1080/14712598.2023.2235263.



# UZPRUVO<sup>®</sup> VS THE REFERENCE PRODUCT\*: **SIMILAR PK PROFILE<sup>1</sup>**

**Similar mean serum ustekinumab concentration-time profiles** for Uzpruvo<sup>®</sup> and the reference products\*

Primary endpoint: Mean ( $\pm$  SD) serum concentration-time profile of ustekinumab by treatment group (PK population)



Adapted from Wynne C et al. 2023<sup>1</sup>

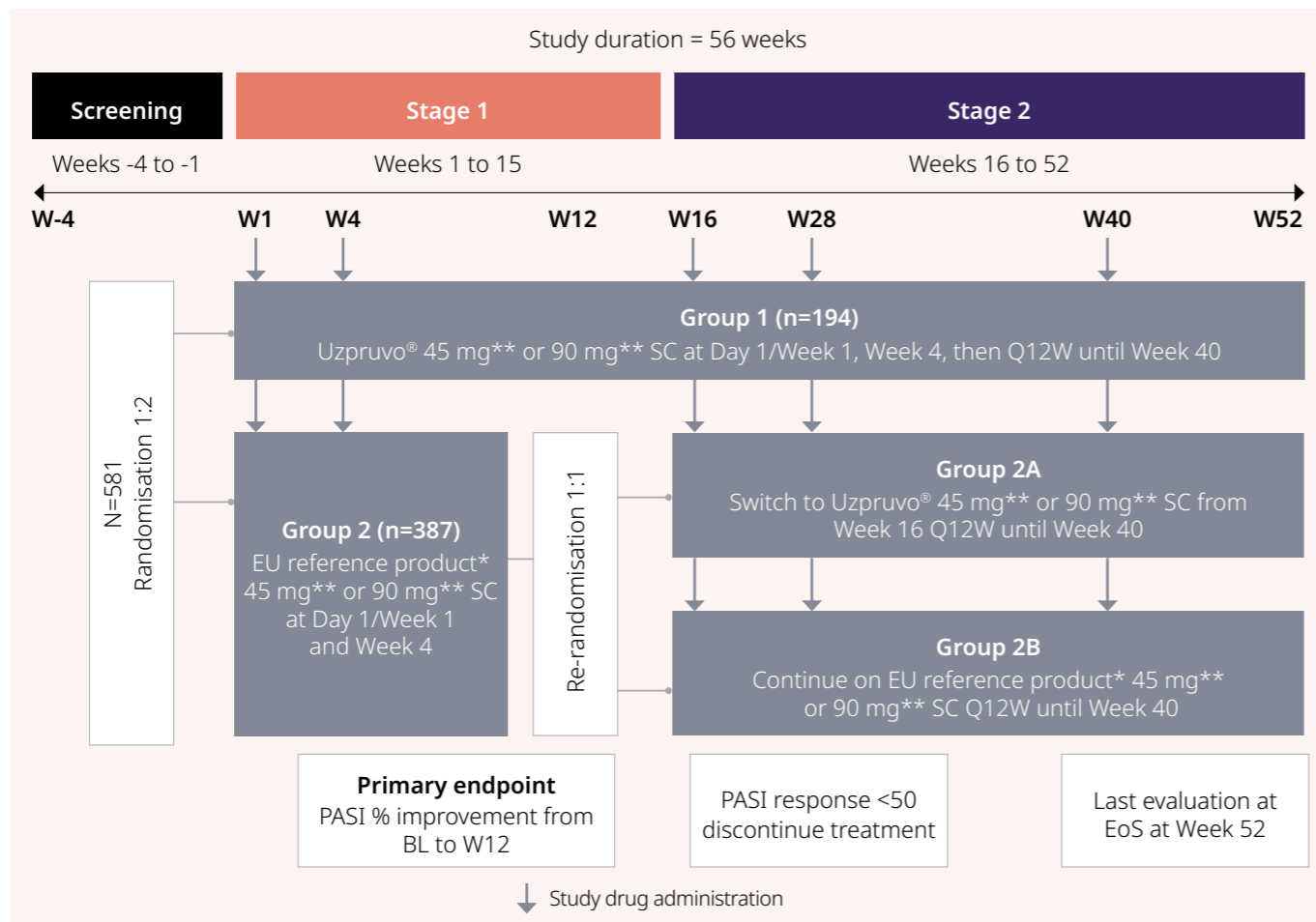
BLQ, below the limit of quantification;  
LLOQ, lower limit of quantitation;  
PK pharmacokinetic; SD, standard deviation

All predose BLQ values were substituted by zeros. Thereafter, BLQ values between evaluable concentrations and terminal BLQ were set to 0.5 x LLOQ.

\*EU-approved Stelara<sup>®</sup> and US-approved Stelara<sup>®</sup>

1. Wynne C et al. Expert Opin Investig Drugs. 2023;32(5):417-27.

# UZPRUVO® VS THE REFERENCE PRODUCT\*: PHASE III TRIAL DESIGN<sup>1</sup>



## Primary objective:

PASI % improvement from BL to Week 12

## Secondary objective

- ✓ PASI 50/75/90/100 response rates from BL at Weeks 4, 8, 12, 16, 28, 40 and 52
- ✓ PASI % improvement from BL to Weeks 4, 8, 16, 28, 40 and 52
- ✓ sPGA responses
- ✓ Change from baseline in DLQI and BSA affected by psoriasis
- ✓ Additional secondary assessments were safety, serum trough concentrations at steady state and immunogenicity

Adapted from Feldman SR et al. 2023<sup>1</sup>

BL, baseline; BSA, body surface area; DLQI, Dermatology life quality index; EoS, end of study; PASI, Psoriasis Area and Severity Index; Q12W, every 12 weeks; SC, subcutaneous; sPGA, statistic physician's global assessment

\*Stelara®; \*\*≤100 kg body weight: 45 mg, >100 kg body weight: 90 mg

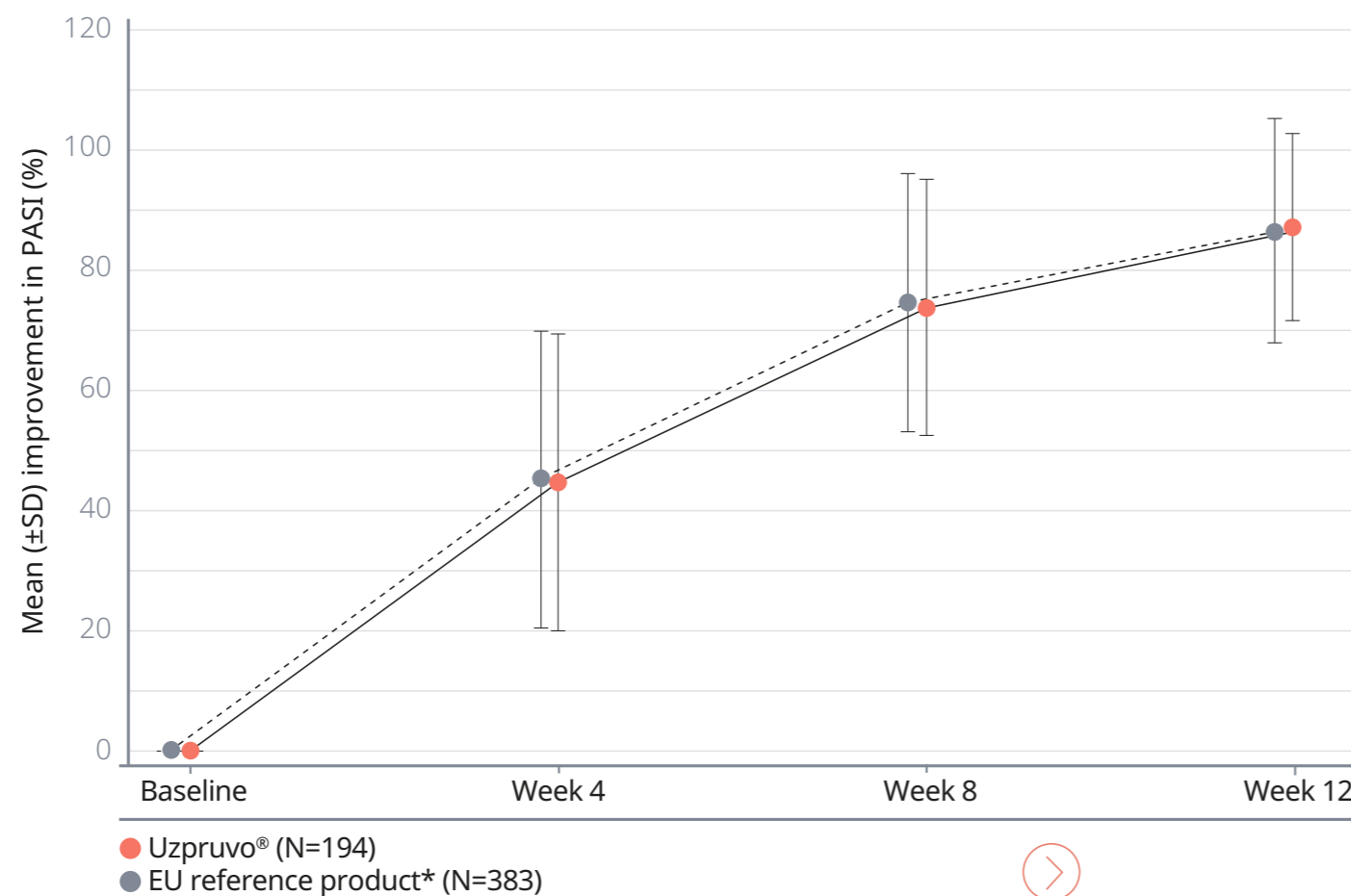
1. Feldman SR et al. Expert Opin Biol Ther. 2023;23(3):253-60. DOI: 10.1080/14712598.2023.2235263.



# UZPRUVO<sup>®</sup> VS THE REFERENCE PRODUCT\*: **SIMILAR EFFICACY<sup>1</sup>**

**The study primary endpoint was met:** the percent **improvement in PASI** from BL to Week 12 for Uzpruvo<sup>®</sup> (87.3%) and the reference product\* (86.8%) **was similar\*\***

Primary endpoint: Improvement in PASI from BL up to Week 12



Adapted from Feldman SR et al. 2023<sup>1</sup>

ANCOVA, analysis of covariance; BL, baseline; CI, confidence interval; PASI, Psoriasis Area and Severity Index; SD, standard deviation

ANCOVA analysis. The 90% CI (-2.14, 3.01) and 95% CI (0.263, 3.50) for the primary endpoint were within the equivalence margins ( $\pm 10\%/\pm 15\%$ )

\*Stelara<sup>®</sup>; \*\*In patients with body weight  $\leq 100$  kg, similar PASI improvement was observed in both treatment arms (Uzpruvo<sup>®</sup> 86.9% vs EU reference product 86.8%); the 95% CI for the LS means difference (0.1) in percent PASI improvement from baseline to Week 12 was  $\pm 3.25\%$ ,  $3.43\%$ , within the predefined EMA equivalence margin of  $\pm 15\%$

1. Feldman SR et al. Expert Opin Biol Ther. 2023;23(3):253-60. DOI: 10.1080/14712598.2023.2235263.

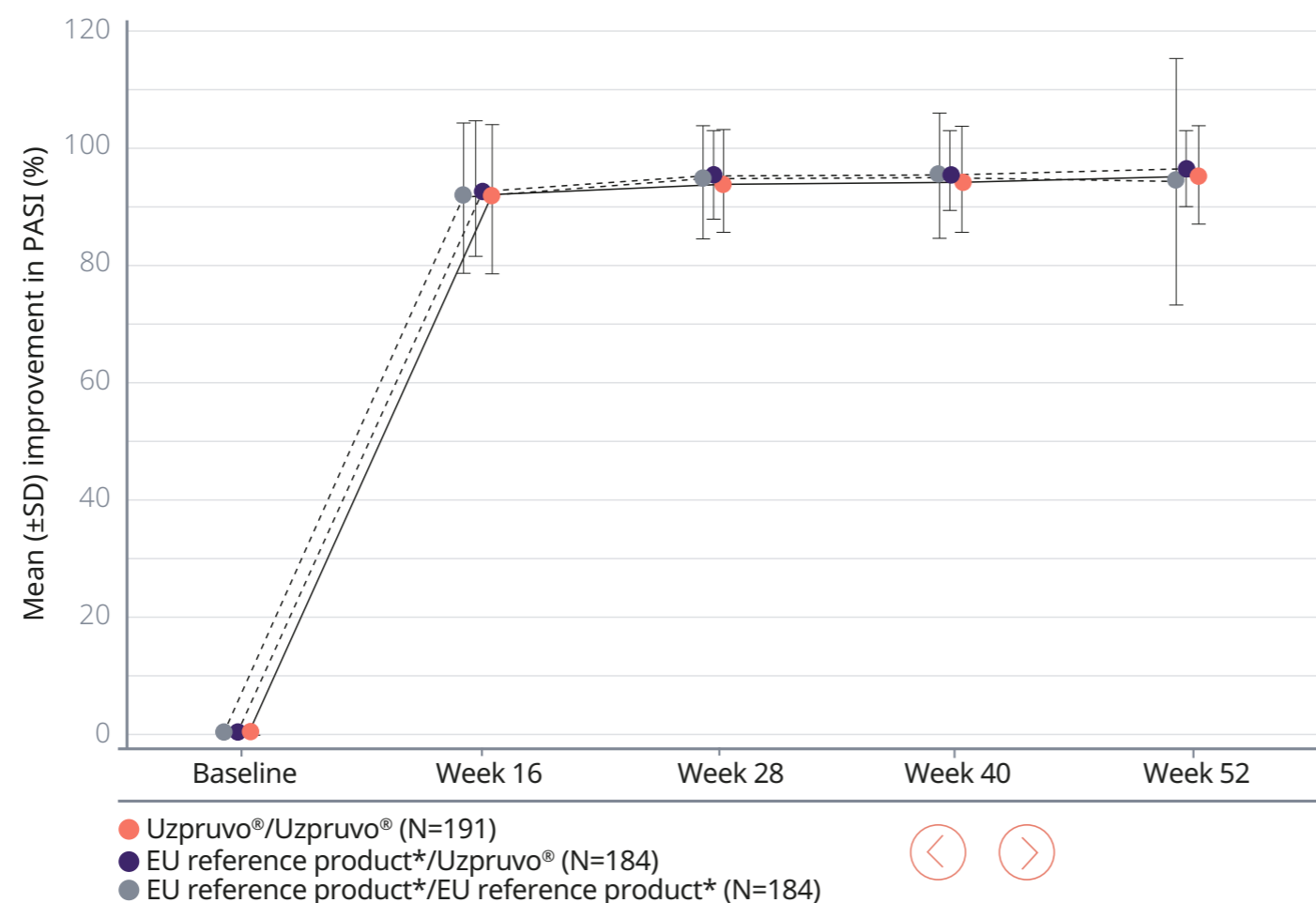




# UZPRUVO<sup>®</sup> VS THE REFERENCE PRODUCT\*: **SIMILAR EFFICACY<sup>1</sup>**

**Similar long-term efficacy**, even after switching: the percent **improvement in PASI** from BL to Week 52 for Uzpruvo<sup>®</sup> and the reference product\* **was comparable**

Secondary endpoint: Improvement in PASI from BL up to Week 52



Adapted from Feldman SR et al. 2023<sup>1</sup>

BL, baseline; PASI, Psoriasis Area and Severity Index; SD, standard deviation

\*Stelara<sup>®</sup>

1. Feldman SR et al. Expert Opin Biol Ther. 2023;23(3):253-60. DOI: 10.1080/14712598.2023.2235263.





# UZPRUVO<sup>®</sup> VS THE REFERENCE PRODUCT\*: **SIMILAR EFFICACY, EVEN AFTER SWITCHING<sup>1</sup>**

Switching treatment from the reference product\* to Uzpruvo<sup>®</sup> did not result in any clinically meaningful differences in secondary efficacy endpoints

**Across the switched and continued treatment groups,  
there was no clinically meaningful difference in...**



**Percent  
improvement  
in PASI**



**sPGA  
responses**



**DLQI  
improvement**



**Percentage BSA  
affected by  
chronic PsO**



BSA, body surface area; DLQI, dermatology life quality index; PASI, Psoriasis Area and Severity Index; PsO, plaque psoriasis; sPGA, static Physician Global Assessment

\*Stelara<sup>®</sup>

1. Feldman SR et al. Expert Opin Biol Ther. 2023;23(3):253-60. DOI: 10.1080/14712598.2023.2235263.



# UZPRUVO<sup>®</sup> VS THE REFERENCE PRODUCT\*: SIMILAR SAFETY PROFILE, EVEN AFTER SWITCHING<sup>1</sup>

**Comparable AE profiles** for Uzpruvo<sup>®</sup> and the reference product\* **up to Week 52, even after switching**

Secondary endpoint: Overview of TEAEs per therapeutic indication (safety analysis set)

System organ class preferred term	Up to Week 16		Weeks 16 to 28			Weeks 28 to 52		
	Uzpruvo <sup>®</sup> (N=194)	EU RP* (N=387)	Uzpruvo <sup>®</sup> / Uzpruvo <sup>®</sup> (N=193)	EU RP*/ Uzpruvo <sup>®</sup> (N=192)	EU RP*/ EU RP* (N=189)	Uzpruvo <sup>®</sup> / Uzpruvo <sup>®</sup> (N=191)	EU RP*/ Uzpruvo <sup>®</sup> (N=184)	EU RP*/ EU RP* (N=184)
Any TEAE	67 (34.5)	130 (33.6)	21 (10.9)	30 (15.6)	29 (15.3)	32 (16.8)	42 (22.8)	39 (21.2)
Treatment-related TEAEs	10 (5.2)	37 (9.6)	0	5 (2.6)	2 (1.1)	0	3 (1.6)	6 (3.3)
Serious TEAEs	0	7 (1.8)	0	0	1 (0.5)	1 (0.5)	1 (0.5)	1 (0.5)
Serious TEAEs (treatment-related)	0	0	0	0	0	0	0	0
TEAE leading to discontinuation	0	3 (0.8)	1 (0.5)	3 (1.6)	4 (2.1)	0	0	1 (0.5)
TEAE leading to discontinuation (treatment-related)	0	0	0	0	0	0	0	0
Death	0	0	0	0	0	0	0	0
Injection site reaction	2 (1.0)	9 (2.3)	0	1 (0.5)	1 (0.5)	0	1 (0.5)	2 (1.1)
Skin and subcutaneous tissue disorder	0	2 (0.5)	0	0	0	0	0	0
Infections and infestations	0	0	0	0	0	0	1 (0.5)	0
Lower respiratory tract infection	0	0	0	0	0	0	1 (0.5)	0

Adapted from Feldman SR et al. 2023<sup>1</sup>

AE, adverse event; RP, reference product; TEAE, treatment-emergent adverse event

\*Stelara<sup>®</sup>

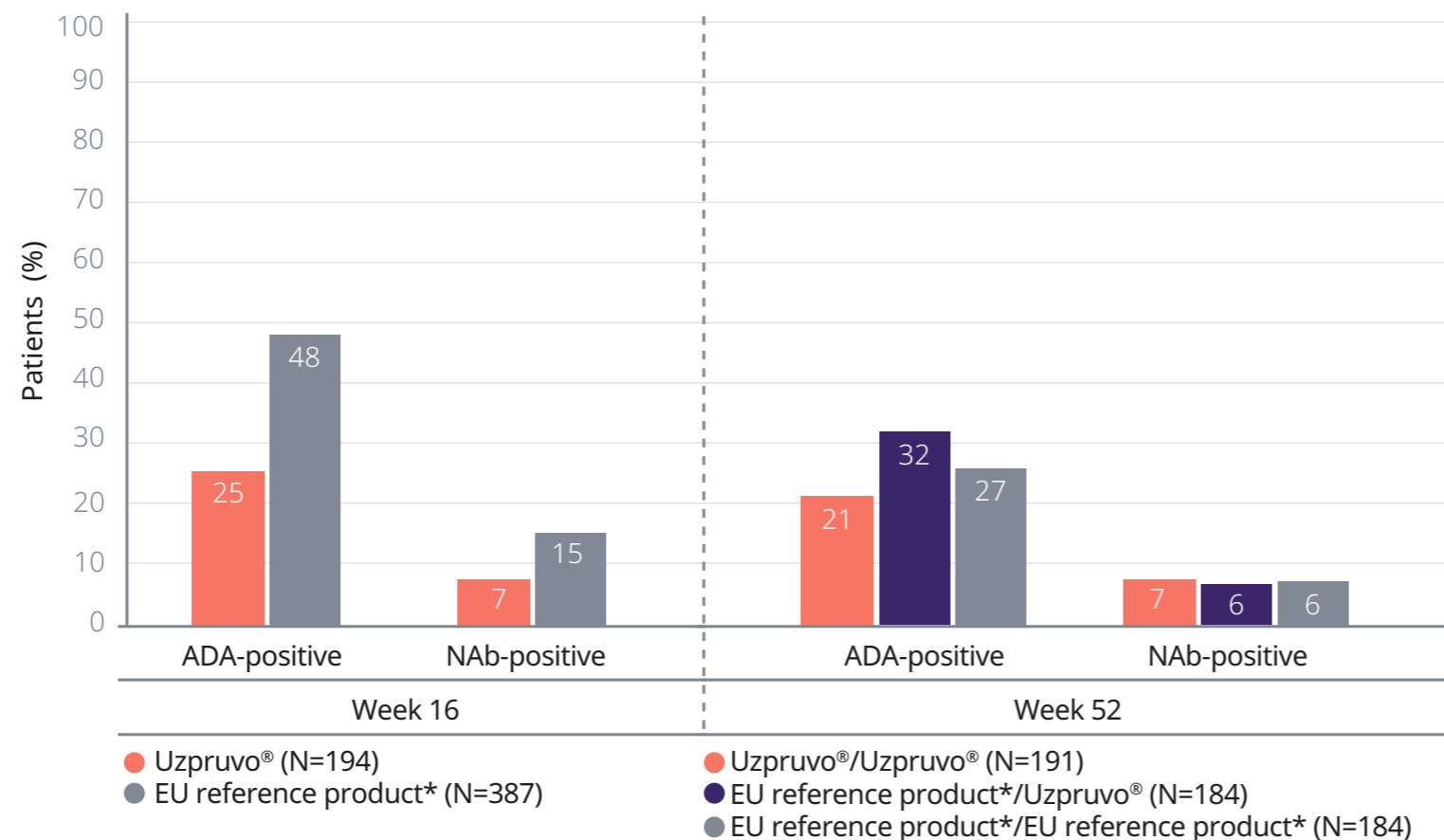
1. Feldman SR et al. Expert Opin Biol Ther. 2023;23(3):253-60. DOI: 10.1080/14712598.2023.2235263.



# UZPRUVO® VS THE REFERENCE PRODUCT\*: SIMILAR IMMUNOGENICITY, EVEN AFTER SWITCHING<sup>1</sup>

The incidence of treatment emergent ADAs up to Week 52 **did not have any clinically meaningful difference** for Uzpruvo® and the reference product\*, even after switching. NAb frequencies remained **consistent over time**

Confirmed positive ADA- and Nab incidence by visits (safety analysis set)



Adapted from Feldman SR et al. 2023<sup>1</sup>

ADA, anti-drug antibodies; NAb, neutralising antibodies

\*Stelara®

1. Feldman SR et al. Expert Opin Biol Ther. 2023;23(3):253-60. DOI: 10.1080/14712598.2023.2235263.



# WHY CHOOSE UZPRUVO®?¹



European manufacturing¹  
and supply chain\*



Equivalent efficacy, safety  
and immunogenicity to  
the reference product\*\*²



Patient-friendly PFS:  
easy handling,  
thinner needle†, latex-free††¹,³



Cost-effective option enabling  
improved access to  
ustekinumab treatment

PFS, pre-filled syringe

\*Supply chain is constantly being optimised and manufacturing location is subject to change; \*\*Stelara®; †29 vs 27-gauge needle of the reference product, Stelara®³; ††Plunger stopper made of bromobutyl rubber

1. Uzpruvo® SmPC (Feb. 2024); 2. Feldman SR et al. Expert Opin Biol Ther. 2023;23(3):253-60. DOI: 10.1080/14712598.2023.2235263; 3. Stelara® PI (Aug. 2022).



## UZPRUVO 45 & 90 mg SOLUTION FOR INJECTION IN PRE-FILLED SYRINGE

**Uzpruvo 45 mg:** Each pre-filled syringe contains 45 mg ustekinumab in 0.5 mL.

**Uzpruvo 90 mg:** Each pre-filled syringe contains 90 mg ustekinumab in 1 mL. Ustekinumab is a fully human IgG1κ monoclonal antibody to interleukin (IL)-12/23 produced in a murine myeloma cell line using recombinant DNA technology.

**Presentation:** Pre-filled glass syringe. **Indications:** Uzpruvo is indicated for the treatment of plaque psoriasis, paediatric plaque psoriasis, psoriatic arthritis (PsA) and Crohn's disease. **Dosage:** Uzpruvo is intended for use under the guidance and supervision of physicians experienced in the diagnosis and treatment of conditions for which Uzpruvo is indicated. Refer to Summary of Product Characteristics.

**Method of administration:** Subcutaneous injection. **Contraindications:** Hypersensitivity to the active substance or to any of the excipients listed in section 6.1. Clinically important, active infection. **Warnings and precautions:** In order to improve the traceability of biological medicinal products, the name and batch number of the administered product should be clearly recorded. Ustekinumab may have the potential to increase the risk of infections and reactivate latent infections.

Patients should be instructed to seek medical advice if signs or symptoms suggestive of an infection occur. If a patient develops a serious infection, the patient should be closely monitored and Uzpruvo should not be administered until the infection resolves. Immunosuppressants like ustekinumab have the potential to increase the risk of malignancy. Serious hypersensitivity reactions have been reported in the postmarketing setting, in some cases several days after treatment. Cases of allergic alveolitis, eosinophilic pneumonia, and non-infectious organising pneumonia have been reported during post-approval use of ustekinumab. Risk factors for cardiovascular disease should be regularly assessed during treatment with ustekinumab. It is recommended that live viral or live bacterial vaccines (such as Bacillus of Calmette and Guérin (BCG)) should not be given concurrently with Uzpruvo. Caution should be exercised when considering concomitant use of other immunosuppressants and Uzpruvo or when transitioning from other immunosuppressive biologics. It is not known whether ustekinumab may affect allergy immunotherapy. In patients with psoriasis, exfoliative dermatitis has been reported following ustekinumab treatment. Cases of lupus-related conditions have been reported in patients treated with Ustekinumab. Because there is a higher incidence of infections in the elderly population in general, caution should be used in treating the elderly. **Interactions:** Live vaccines should not be

given concurrently with Uzpruvo. In psoriasis studies, the safety and efficacy of ustekinumab in combination with immunosuppressants, including biologics, or phototherapy have not been evaluated. In psoriatic arthritis studies, concomitant MTX use did not appear to influence the safety or efficacy of ustekinumab. In Crohn's disease and ulcerative colitis studies, concomitant use of immunosuppressants or corticosteroids did not appear to influence the safety or efficacy of Ustekinumab.

**Fertility, pregnancy and lactation:** Women of childbearing potential should use effective methods of contraception during treatment and for at least 15 weeks after treatment. There are no adequate data from the use of ustekinumab in pregnant women. Animal studies do not indicate direct or indirect harmful effects with respect to pregnancy, embryonic/foetal development, parturition or postnatal development. As a precautionary measure, it is preferable to avoid the use of Uzpruvo in pregnancy. Limited data from published literature suggests that ustekinumab is excreted in human breast milk in very small amounts. Because of the potential for adverse reactions in nursing infants from ustekinumab, a decision on whether to discontinue breast-feeding during treatment and up to 15 weeks after treatment or to discontinue therapy with Uzpruvo must be made taking into account the benefit of breast-feeding to the child and the benefit of Uzpruvo therapy to the woman. The effect of ustekinumab on human fertility has not been evaluated. **Driving and operation of machinery:** Uzpruvo has no or negligible influence on the ability to drive and use machines. **Undesirable effects:** Upper respiratory tract infection, nasopharyngitis, sinusitis, dizziness, headache, oropharyngeal pain, diarrhoea, nausea, vomiting, pruritus, back pain, myalgia, arthralgia, fatigue, injection site erythema, injection site pain. Refer to Summary of Product Characteristics for other adverse effects. Adverse reactions should be reported via HPRA Pharmacovigilance, website: [www.hpra.ie](http://www.hpra.ie). **Pack size:** 1 pre-filled syringe. A copy of the Summary of Product Characteristics is available upon request or go to [www.clonmelhealthcare.ie](http://www.clonmelhealthcare.ie). **Marketing authorisation holder:** STADA Arzneimittel AG, Stadastrasse 2-18, 61118 Bad Vilbel, Germany. **Marketing authorisation number:** EU/1/23/1784/001,004. Medicinal product subject to restricted medical prescription. **Date last revised:** February 2024.

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