

Mock ups and specimen review

Labeling Review and Standards Office





Labelling is important...





Labelling/packaging



First point of interaction



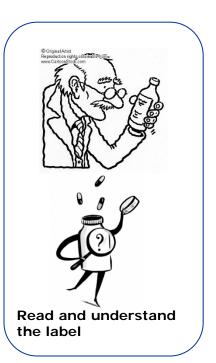




Potential end user



Selection





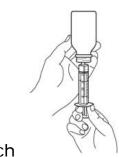
Are labels always easy to read?

Clozapine – indicated in patients with severe schizophrenia









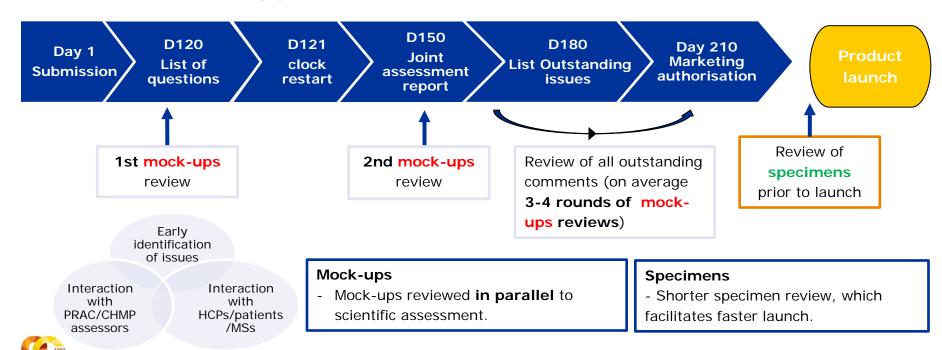
- Nurse mistakenly thought that each 14ml bottle of clozapine contained 50 mg – but there was 50 mg for every millilitre.
- Patient was given 6 bottles for a 300 mg dose.



- Labelling issue?
 - Strength displayed as 50 mg and total volume not prominently displayed?

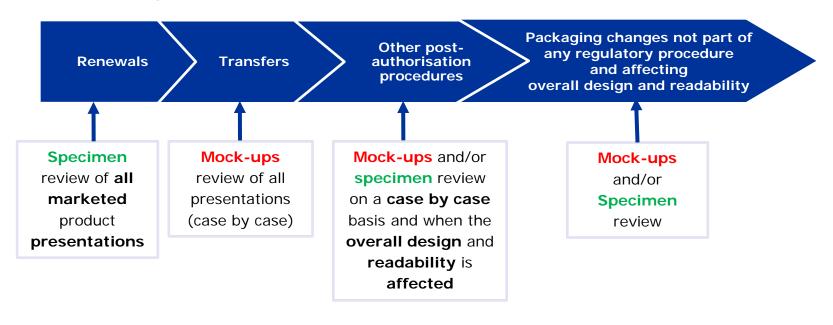


Mock ups and specimen review Timelines (new applications and extensions)





Mock ups and specimen review Timelines (post-authorisation)



Tools and interactions

Tools:

- · EU legislation and guidelines.
- Guidance and alerts issued by medication safety organisations (ISMP, NPSA etc.) and other regulatory agencies (MHRA, FDA, Health Canada etc.).
- Product information, RMP, CHMP and RMP PRAC ARs.

Interactions:

- QRD group and PRAC/CHMP assessors and Rapporteurs.
- Consultations with HCPs, patients and consumers organisations to gather how the medicinal product will be used in 'real life'.





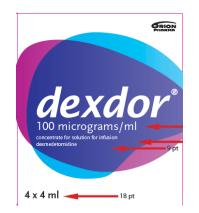


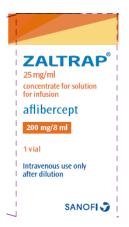




Readability check (1)







Examples of problematic areas

- Logos and pictograms can interfere with the readability of the information.
- Available space not used to enhance legibility/readability of information.
- Poor contrast between text and background.
- Too much prominence on one element can impair visibility of the rest of the information.
- Small font size can impair readability.
- Too many colours can confuse.





Readability check (2)







4 x 4 ml vials

Focus:

- •Presentation of critical information (balanced and cohesive display).
- •Critical information displayed in primes places.
- Differentiation between strengths/total contents.
- •Font sizes, positioning of the text, line spacing.
- Special warnings.
- Use of colours/pictograms/logos.
- Overall lay-out and design.





Multilingual packaging - Challenging area





flacon / 1 injectieflacon / 1 Durchstechflasche seringue stérile sans silicone / 1 steriele siliconenvrije spult / 1 sterile silikonfrele Spritze

TRADENAME 250 mg

poudre pour solution à diluer pour perfusion poeder voor concentraat voor oplossing voor infusie Pulver für ein Konzentrat zur Herstellung einer Infusionslösung

Active substance/acrive substance/active substance

Pour la reconstitution et la dilution, utiliser la seringue jetable sans silicone fournie dans l'emballage. / Gebruik de siliconenvrije spuiten die inbegrepen zijn in de verpakking voor oplossen en verdunnen. / Benutzen Sie zur Rekonstitution und Verdünnung die silikonfreie Spritze, die in der Packung enthalten ist.

Vole Intravelneuse / Intraveneus gebrulk / Intravenöse Anwendung

Kölblik kuni:/

Derios lidz:

Tinka iki

MM/YYYY

EU/00000000

Partii nr.:/

Tradename

5 mg / active substance

5 mg / active substance 5 ma / active substance

Suukaudne lahus, Šķīdums iekšķīgai lietošanai, Geriamasis tirpalasBactive substance. Active substance Active substance

50 ml

Suukaudne lahus. Škīdums iekšķīgai lietošanai. Geriamasis tirpalas.

Suukaudne. Enne ravimi kasutamist lugege pakendi infolehte. Ols kord ööpäevas, lekšķīgai lietošanai, Pirms lietošanas izlasiet lietošanas instrukciju. Vienu reizi dienā. Vartoti per bumą. Prieš vartojimą perskaitykite pakuotės lapelį. Vartoti kartą per parą. Holda laste eest varjatud ja kättesaamatus kohas. Uzglabät berniem nepleejamä un neredzamä vietä. Laikyti valkams nepasieklamoje ir nepastebimoje vietoje. Mitte holda temperatuuril üle 30 °C. Pärast avamist kasutada 3 kuu looksul. Uzulabat temperaturi līdz 30°C. Pēc atvēršanas izlietot 3 mēnešu laikā. Laikyti ne aukštesnēje kaip 30°C temperatūroje. Buteliuka atidarius, tinka vartoti 3 mėnesius. Retseptiravim. Recepšu zāles. Receptinis vaistinis preparatas. Lahus sisaidab ka kaaliumsorbaati ja sorbitooli (E 420). Usainfo saamiseks vaata pakend infolehte. Skidums satur ari kalija sorbātu un sorbītu (E420). Sikāku informādju skatīt lietošanas instrukciji Suietyje yra kalio sorbato ir sorbitolio (E 420). Pumba ūks aktivatsioon (ūks aliasuunaline pumbavajutus) väljutab 0,5 ml lahust, mis sisaldab 5 mg acretiveklorildi ja mis vastab 4,16 mg acretive. Viens sükrja izsmidzinājums (viennetz nospieżot lejupytrzień darbināmo sikni) nodrošina 0,5 mktóluma, kas satur 5 moztwe hidrohlorida, kas ir ekvivalents 4,16 mg active. Dauglau Informacijos pateikta pakuotės lapelyje. Vienu pompos dozavimu (vienu pompos paspaudimu) išpurškiama 0,5 ml tirpalo, kurlame yra 5 mg acrtivesee atitinkančio 4,16 mg active

MAHIMAH MAHMAH/

AMH/MAHa

pehmeät kapselit myke kapsler mjuka kapslar

nintedanib/nintedanibi

Hver kapsel Indeholder 150 mg mintedenib (som estiat). Less India skytta mod fugt. Ikke anvendt gamiddel samt affaid heraf skall plinjer Receptpligtigt lægemiddel

jokainen kapsali sisältää 150 mg nintedarribia (esilaattina). Lue nakkausseloste ennen kflyttől Shiyti ale 25 °C. Shiyti akuperlispakkuuksessa. Herkiä kostoudelle, Käyttämätön valmisi

FLUE/00/000/000/000

nébuliseur contient lévofloxacine hémihydrate équivalent à 100 mg de évofloxacine.

Chaque ampoule contient 240 mg de évofloxacine, chlorure de magnésium et eau pour préparations injectables. Solution pour inhalation par nébuliseur 56 x 2.4 ml ampoules.

Voie inhalée. A usage unique seulement. Lire la notice avant utilisation. Tenir hors de la portée et de la vue des enfants. Pas de précautions particulières de conservation concernant la température.

l'abri de la lumière.

À conserver dans l'emballage d'origine à Médicament soumis à prescription médicale. Verschreibungspflichtig.

Chaque milide solution pour inhalation par ... Jede militiosung für einen Vernebler enthalt. ... Else verneveloplossing bevat Levofloxacin-Hemihydrat entspricht 100 mg levofloxacinehemihydraat wat overeenkomt Levofloxacin.

Jede Ampulle enthält 240 mg Levofloxacin, Magnesiumchlorid und Wasser für Injektionszwecke. Lösung für einen Vernebler 56 x 2.4 ml

Ampullen. Zur Inhalation. Nur für einmaligen Gebrauch. Voor gebruik de bijsluiter lezen.

Packungsbeilage beachten. Arzneimittel für Buiten het bereik en zicht van kinderen Kinder unzugänglich aufbewahren. Für dieses Arzneimittel sind bezüglich der Temperatur keine besonderen Lagerungsbedingungen erforderlich.

In der Originalverpackung aufbewahren, um den Inhalt vor Licht zu schützen.

met 100 mg levofloxacine. Elke ampul bevat 240 mg levofloxacine, magnesiumch oride en water voor injecties. Verneveloplossing 56 x 2.4 ml Ampullen. Inhalatie. Uitsluitend bestemd voor eenmalig

gebruik

houden. Voor dit geneesmiddel zijn er geen speciale bewaarcondities wat betreft de temperatuur. Bewaren in de oorspronkelijke verpakking terl bescherming tegen licht.

Geneesmiddel op medisch voorschrift.



Available tools...

All the readability principles can be very difficult to apply, especially on multilingual packaging.

Several strategies are available:

- > Use of innovative labels
- ➤ Display of one language per panel
- ➤ Use of English or Latin for the active substance
- > Use of short standard terms (pharmaceutical form, route of administration, container)
- Use of standard abbreviations
- Exemption Text simplification (Art.63 of Directive 2001/83/EC)*
- ➤ Language exemption (Art.63 of Directive 2001/83/EC)*
- > To have thorough assessment of the text that will be displayed

^{*}Products not intended to be delivered directly to the patient and orphan products







Mock-ups and specimens review - Further scope?

- The readability check performed considering practical aspects on how the product will be prescribed, dispensed, stored and used to make sure that the proposed layout allow the correct identification and safe use of the product.
 - Introduction of a new device/change of device.
 - Introduction of a new pharmaceutical form (tablets vs prolonged-release tablets).
 - Inclusion of specific warnings (cytotoxic)
 - Introduction of a higher concentration (Insulin).
 - Expression of strength (concentration per ml vs total content per total volume)
 - Potential for medication errors due to pack configuration (complex posology)







Tresiba (new MAA) (1)



- New MAA: Introduction of a new higher concentration insulin (200 mg/ml).
 - Impact on harmonised therapeutic environment (only 100 units/ml in EU).
- **Issue:** potential risk of mix-ups with fatal consequences (high-risk product).
- Mock-ups review:
 - Similarity in pack design and colour scheme.
 - Focus on the maximum number of units to be delivered.
 - Pen delivering "2 units per click".
- 1st consultation with patients, healthcare professionals and QRD
 - Product information and mock-ups.



Tresiba (new MAA) (2)

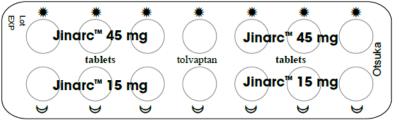




- Issues were presented and discussed at CHMP and followed up at a Diabetes & Endocrinology SAG.
- 2nd consultation with patients, healthcare professionals and QRD
 - Revised mock-ups and educational materials.
- Outcome:
 - Highlight of the strength.
 - Highlight of the warning regarding the steps vs. units.
 - Change in **layout** and use of **colours**.

Jinarc (new MAA) (1)

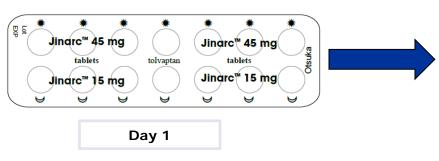
(Indication - cyst development and renal insufficiency of autosomal dominant polycystic **kidney disease**)



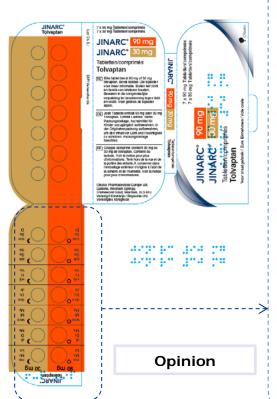
- Posology: Total daily doses (60, 90, or 120 mg). To be taken twice daily in split dose (e.g 45 mg + 15 mg)
- Potential risk for medication errors: lack of adherence to the treatment due to blister layout.
 - High risk of medication errors if tablets are taken randomly.
 - A simple blister containing two strengths has never been accepted.
- ➤ **Discussion with company:** to consider different packaging to ensure that the right dose is taken.
- Concerns shared and discussed with CHMP, PRAC Rapporteurs.
- Issue incorporated as part of the D180 LoOl.

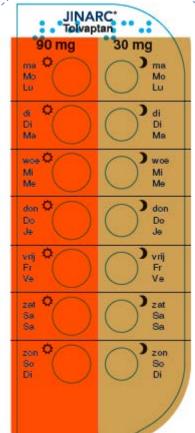


Jinarc (new MAA)



Outcome: change to the blister layout.
 Use of a wallet type blister.







Multipack presentation









NOT A MULTIPACK

- The **Commission**, together with **Member States**, in the context of the Notice to applicants provided clarification regarding **multipacks** in the **packaging guideline**:

"Pack composition

The description below provide examples of presentations, that may be covered by marketing authorisation(s), and do not reflect marketing possibilities.

Multi packs: these packs are composed of several single packs of the same strength of a medication product. [...]"

Multipack presentations – General principles

- > The multipack outer carton should display all legally required items (including blue box)
- > Not possible to sell the inner boxes within the multipack as single presentations
- **Each** individual **inner boxes** should contain **a package leaflet**
- > It is expected that **Braille** would be present on both the **outer packaging** and **inner boxes**
- > The **labelling** must **clearly** state the **content of the pack** to ensure correct identification in the **supply chain**, to **healthcare professional** and **patients**.
- ➤ The current **QRD template** provides detailed **guidance** on the wording and structure of **multipack presentations**.
- Multipack presentations should be register (i.e. included in the Annexes) even if not market in all Member States.
- A multipack will be authorised as a separate presentation with its own specific EU sub-number and will attract a separate fee.

Carton vs plastic wrapping (bundling)

- Preference is for carton. Use of plastic wrapping/bundling should only be exceptional.
- A simple **plastic wrap** might not fulfil the requirements for clear identification and **could create confusion**.
 - > Plastic wrapping often used for transportation or shipment (i.e do not constitute a pack size).
 - ➤ It is essential to **differentiate** between outer packaging used for **transportation/shipment** and wrapping used to contain a **presentation**.
 - Packs wrapped together to create an additional presentation have to be correctly labelled to meet the labelling requirements for medicinal products.
- If **shrink-wrapping** is used, **justification** on why this is the preferred option over a carton should be provided.
 - ➤ A **label** displaying all legally required items for outer packaging has to be affixed to the plastic wrap (including blue box)
 - Transparent vs non-transparent wrapping => EMA no policy => MAH choice





Quick Response codes (QR codes)





Legal basis – Article 62 of Directive 2001/83/EC, "the outer packaging and the package leaflet may include symbols or pictograms designed to clarify certain information mentioned in Articles 54 and 59(1) and other information compatible with the summary of product characteristics which is useful to the patient, with the exclusion of any element of a promotional nature".



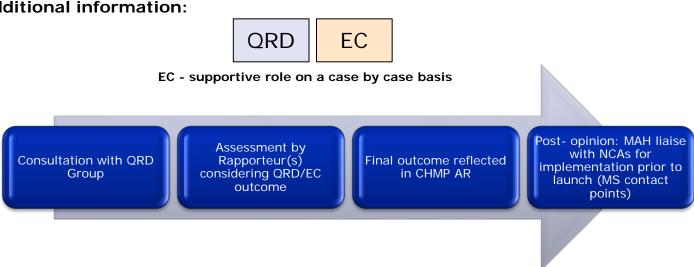
QR code - content and location

- **Statutory information**: Information from the **approved product information** (SmPC/leaflet)
- Additional information: other information that is not included in the product information as such but is useful to patients/users and non-promotional (e.g. video)
- **Location:** Not affect the readability of statutory information and ideally to be located in an area with minimal or no impact on readability (e.g. inner flap of the carton)



OR Code – submission and assessment

- Submission of request/declaration form: information regarding QR code content + updated mock-ups + product information (in the context of an assessment procedure – Module 1.3.1)
- For statutory information: Rapporteur only reviews the declaration form (acceptability reflected in CHMP AR)
- For additional information:





Quick Response codes (QR codes)

Guidance

http://www.ema.europa.eu/docs/en_GB/document_library/Regulatory_and_procedural_guideline/2015/07/WC500190405.pdf

Declaration

http://www.ema.europa.eu/ema/index.jsp?curl=pages/regulation/document_listing/document_listing_000254.jsp&mid=WC0b01ac058008c34c

QRD contact points:

http://www.ema.europa.eu/docs/en_GB/document_library/Other/2015/07/WC5001904 04.pdf





Thank you for your attention

Further information

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